

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022525\  
 Data File : VL042045.D  
 Acq On : 25 Feb 2025 11:03  
 Operator : SY/MD  
 Sample : VSTDIC0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.1

Quant Time: Feb 25 12:33:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Tue Feb 25 10:31:48 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.803 | 49   | 161406   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.981 | 114  | 414875   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.904 | 117  | 363831   | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |                |          |       |         |      |
|-----------------------------|--------|----------------|----------|-------|---------|------|
| 68) 1-Bromo-4-Fluorobenzene | 10.393 | 95             | 276484   | 9.213 | ppbv    | 0.00 |
| Spiked Amount               | 10.000 | Range 65 - 135 | Recovery | =     | 92.100% |      |

#### Target Compounds

|                               |       |     |        |       | Qvalue |     |
|-------------------------------|-------|-----|--------|-------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.505 | 85  | 1771   | 0.064 | ppbv   | 93  |
| 3) Chlorodifluoromethane      | 1.483 | 51  | 2339   | 0.076 | ppbv   | 96  |
| 4) Chloromethane              | 1.538 | 50  | 704    | 0.065 | ppbv # | 45  |
| 5) Vinyl Chloride             | 1.586 | 62  | 543    | 0.042 | ppbv # | 88  |
| 6) Bromomethane               | 1.677 | 94  | 398    | 0.080 | ppbv # | 79  |
| 7) Chloroethane               | 1.716 | 64  | 213    | 0.051 | ppbv # | 67  |
| 8) Dichlorotetrafluoroethane  | 1.560 | 85  | 1520   | 0.062 | ppbv   | 91  |
| 9) Propene                    | 1.489 | 41  | 1402   | 0.106 | ppbv   | 95  |
| 11) Trichlorofluoromethane    | 1.884 | 101 | 1855   | 0.066 | ppbv   | 93  |
| 12) 1,1,2-Trichlorotrifluo... | 2.153 | 101 | 1337   | 0.061 | ppbv   | 100 |
| 13) Ethanol                   | 1.771 | 45  | 137    | 0.092 | ppbv # | 1   |
| 14) Bromoethene               | 1.790 | 108 | 581    | 0.071 | ppbv # | 78  |
| 15) Acetone                   | 1.845 | 43  | 3317   | 0.125 | ppbv   | 99  |
| 16) 1,3-Butadiene             | 1.615 | 39  | 1259   | 0.100 | ppbv # | 75  |
| 17) tert-Butyl alcohol        | 2.055 | 59  | 1942   | 0.059 | ppbv # | 89  |
| 18) 1,1-Dichloroethene        | 2.350 | 96  | 863    | 0.083 | ppbv   | 87  |
| 19) Isopropyl Alcohol         | 1.897 | 45  | 1375   | 0.092 | ppbv # | 32  |
| 20) Methylene Chloride        | 2.075 | 84  | 1541   | 0.154 | ppbv # | 59  |
| 21) Allyl Chloride            | 2.107 | 41  | 929    | 0.048 | ppbv # | 58  |
| 22) trans-1,2-Dichloroethene  | 2.350 | 96  | 863    | 0.076 | ppbv   | 100 |
| 23) Vinyl Acetate             | 2.476 | 43  | 2203   | 0.153 | ppbv # | 50  |
| 24) 1,1-Dichloroethane        | 2.418 | 63  | 1398   | 0.061 | ppbv # | 87  |
| 25) Ethyl Acetate             | 2.861 | 43  | 6037   | 0.083 | ppbv # | 90  |
| 26) Hexane                    | 2.839 | 57  | 2417   | 0.082 | ppbv # | 87  |
| 27) Carbon Disulfide          | 2.162 | 76  | 1691   | 0.061 | ppbv # | 1   |
| 28) Methyl tert-Butyl Ether   | 2.457 | 73  | 1475   | 0.082 | ppbv   | 92  |
| 29) Chloroform                | 2.865 | 83  | 3264   | 0.077 | ppbv   | 96  |
| 30) Cyclohexane               | 3.881 | 84  | 1421   | 0.060 | ppbv # | 22  |
| 31) cis-1,2-Dichloroethene    | 2.732 | 61  | 1328   | 0.046 | ppbv # | 85  |
| 32) 1,1,1-Trichloroethane     | 3.386 | 97  | 3026   | 0.064 | ppbv # | 86  |
| 34) 2-Butanone                | 2.577 | 43  | 4167   | 0.117 | ppbv   | 100 |
| 35) Carbon Tetrachloride      | 3.787 | 117 | 2571   | 0.064 | ppbv # | 85  |
| 36) Benzene                   | 3.674 | 78  | 2614   | 0.052 | ppbv # | 83  |
| 37) 1,2-Dichloroethane        | 3.237 | 62  | 2734   | 0.096 | ppbv   | 98  |
| 38) Trichloroethene           | 4.577 | 130 | 1585   | 0.078 | ppbv # | 44  |
| 39) 1,2-Dichloropropane       | 3.981 | 63  | 106722 | 5.792 | ppbv # | 23  |
| 41) Tetrahydrofuran           | 3.088 | 42  | 2150   | 0.105 | ppbv # | 63  |
| 42) Bromodichloromethane      | 4.515 | 83  | 2370   | 0.061 | ppbv # | 59  |
| 43) Methyl Methacrylate       | 4.917 | 69  | 1045   | 0.046 | ppbv # | 10  |
| 44) 2,2,4-Trimethylpentane    | 4.667 | 57  | 3926   | 0.046 | ppbv # | 31  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022525\  
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 Acq On : 25 Feb 2025 11:03  
 Operator : SY/MD  
 Sample : VSTDICC0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.1

Quant Time: Feb 25 12:33:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Feb 25 10:31:48 2025  
 Response via : Initial Calibration

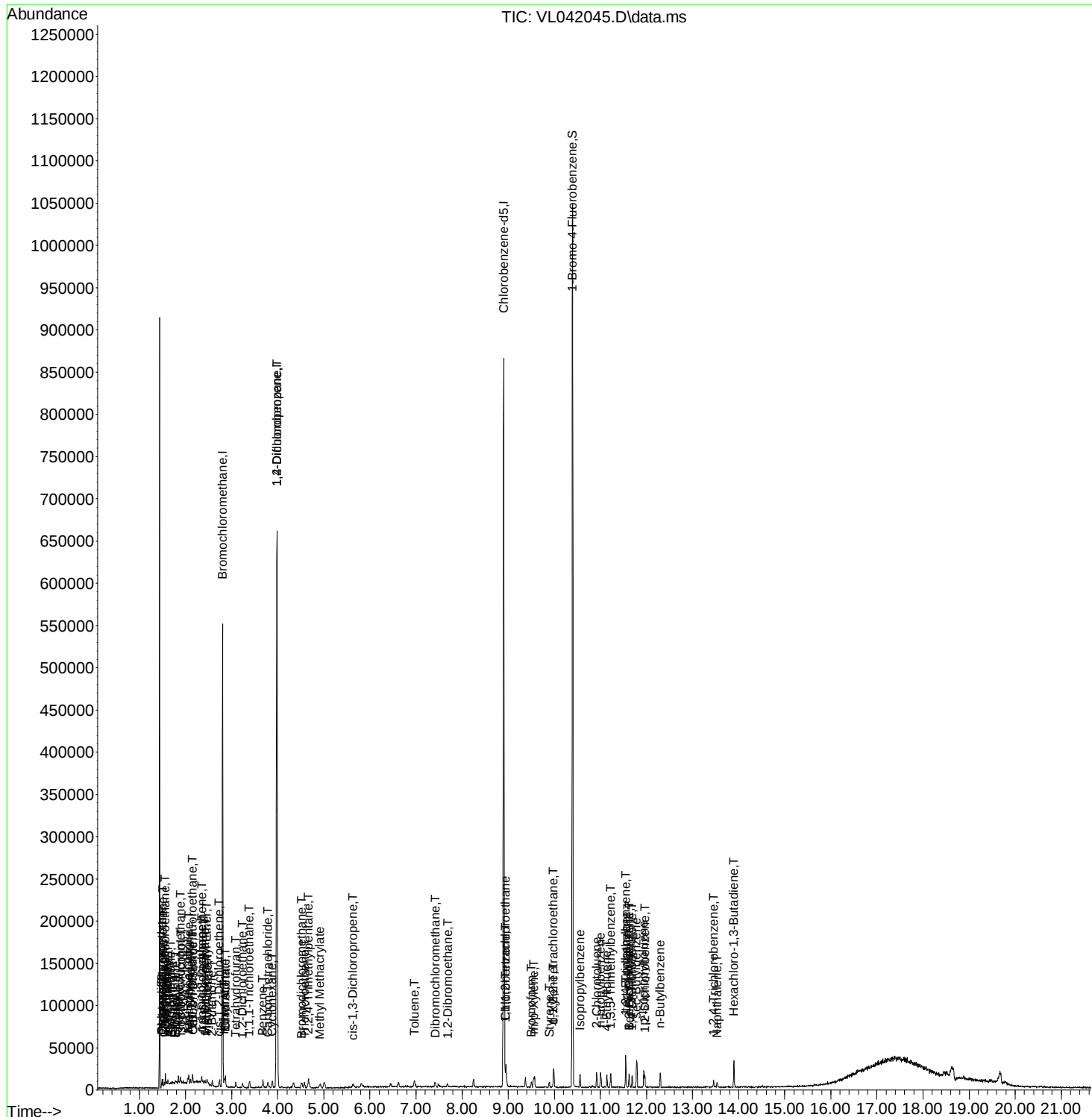
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 46) cis-1,3-Dichloropropene   | 5.629  | 75   | 976      | 0.036 | ppbv # | 62       |
| 48) Dibromochloromethane      | 7.415  | 129  | 1445     | 0.044 | ppbv # | 23       |
| 49) Bromoform                 | 9.506  | 173  | 1684     | 0.063 | ppbv # | 79       |
| 53) Toluene                   | 6.969  | 91   | 1861     | 0.031 | ppbv # | 1        |
| 54) 1,2-Dibromoethane         | 7.684  | 107  | 915      | 0.034 | ppbv # | 66       |
| 56) 1,1,1,2-Tetrachloroethane | 8.943  | 131  | 1438     | 0.055 | ppbv # | 8        |
| 57) Chlorobenzene             | 8.946  | 112  | 3915     | 0.091 | ppbv # | 90       |
| 59) m/p-Xylene                | 9.558  | 91   | 1903     | 0.030 | ppbv # | 100      |
| 60) o-Xylene                  | 9.982  | 91   | 4981     | 0.079 | ppbv   | 95       |
| 61) Styrene                   | 9.891  | 104  | 1689     | 0.056 | ppbv # | 76       |
| 62) Isopropylbenzene          | 10.555 | 105  | 7453     | 0.078 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.982  | 83   | 2654     | 0.065 | ppbv # | 66       |
| 64) n-propylbenzene           | 11.005 | 120  | 2092     | 0.089 | ppbv   | 95       |
| 65) tert-Butylbenzene         | 11.549 | 119  | 7279     | 0.088 | ppbv   | 95       |
| 66) Benzyl Chloride           | 11.626 | 91   | 260      | 0.031 | ppbv # | 65       |
| 67) sec-Butylbenzene          | 11.782 | 105  | 9708     | 0.083 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.940 | 119  | 6937     | 0.073 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.299 | 91   | 6704     | 0.071 | ppbv   | 93       |
| 71) 2-Chlorotoluene           | 10.921 | 91   | 6558     | 0.091 | ppbv   | 96       |
| 72) 4-Ethyltoluene            | 11.141 | 105  | 5948     | 0.080 | ppbv # | 96       |
| 73) 1,3,5-Trimethylbenzene    | 11.222 | 105  | 5175     | 0.081 | ppbv # | 80       |
| 74) 1,2,4-Trimethylbenzene    | 11.552 | 105  | 5323     | 0.077 | ppbv # | 91       |
| 75) 1,3-Dichlorobenzene       | 11.623 | 146  | 2662     | 0.072 | ppbv   | 71       |
| 76) 1,4-Dichlorobenzene       | 11.691 | 146  | 3477     | 0.096 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.969 | 146  | 3344     | 0.094 | ppbv   | 95       |
| 78) Hexachloro-1,3-Butadiene  | 13.895 | 225  | 2487     | 0.085 | ppbv # | 84       |
| 79) Naphthalene               | 13.529 | 128  | 3058     | 0.045 | ppbv # | 91       |
| 81) 1,2,4-Trichlorobenzene    | 13.455 | 180  | 1262     | 0.046 | ppbv # | 86       |
| -----                         |        |      |          |       |        |          |

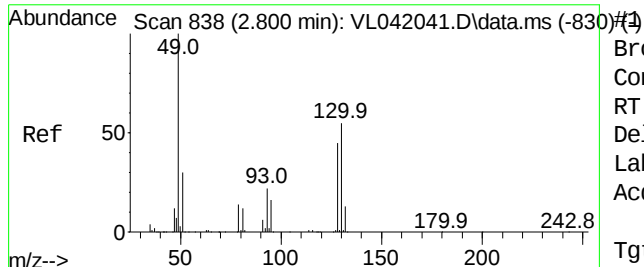
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Operator : SY/MD  
Sample : VSTDIC0.1  
Misc : 400mL/MSVOA\_L  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1

Quant Time: Feb 25 12:33:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Feb 25 10:31:48 2025  
Response via : Initial Calibration

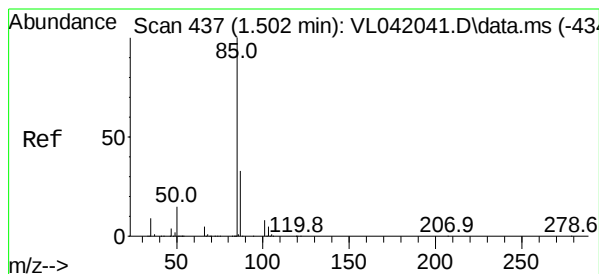
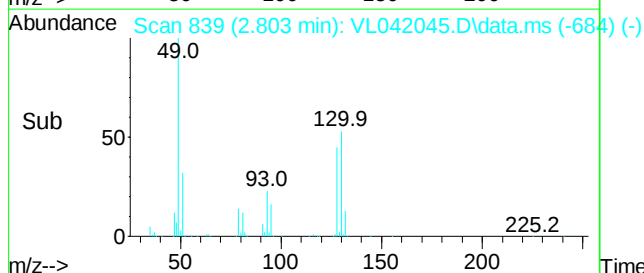
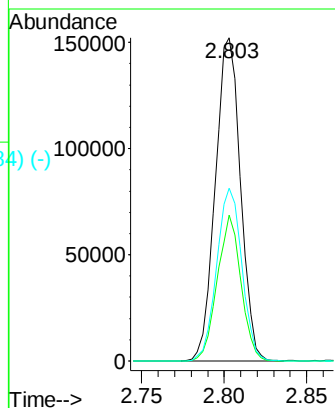
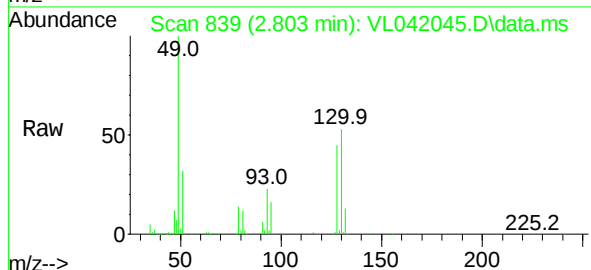




Instrument :  
MSVOA\_1  
Concen: 10.000 ppbv  
RT: 2.803 min Scan#  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

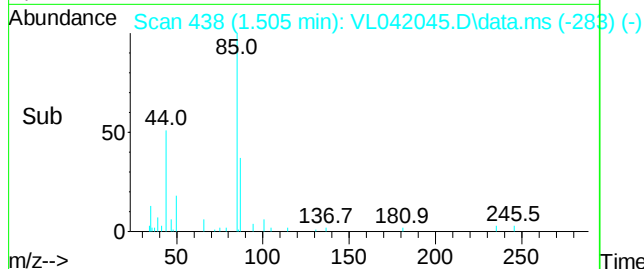
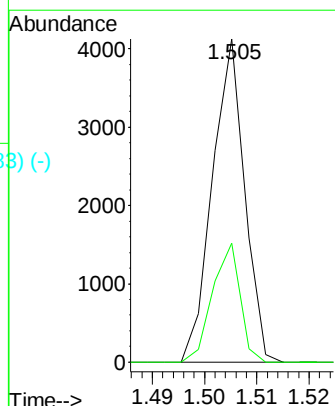
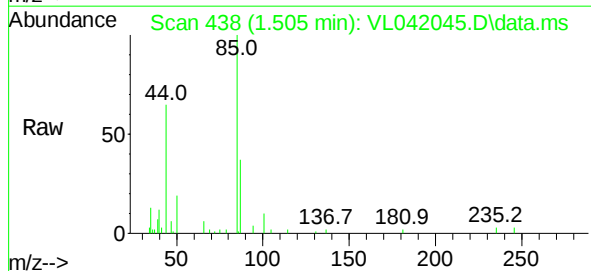
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VSTDIC0.1

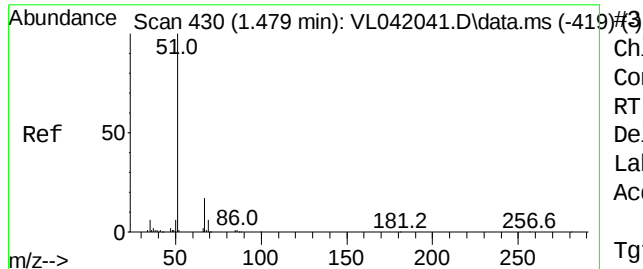
Tgt Ion: 49 Resp: 161406  
Ion Ratio Lower Upper  
49 100  
128 42.3 21.6 64.8  
130 53.5 27.8 83.4



Dichlorodifluoromethane  
Concen: 0.064 ppbv  
RT: 1.505 min Scan# 438  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion: 85 Resp: 1771  
Ion Ratio Lower Upper  
85 100  
87 36.9 26.4 39.6

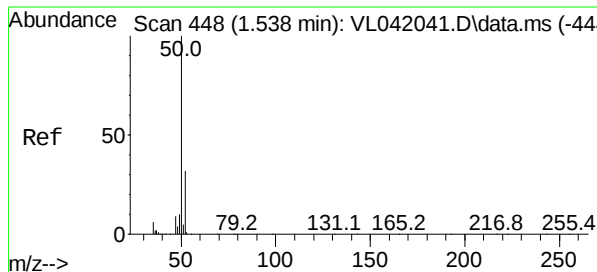
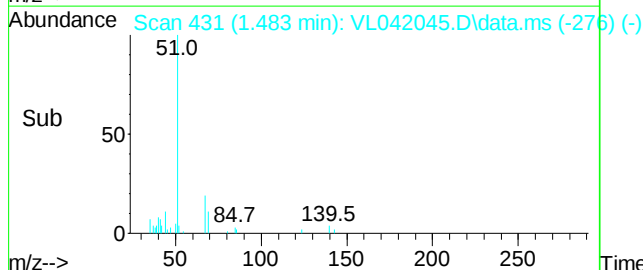
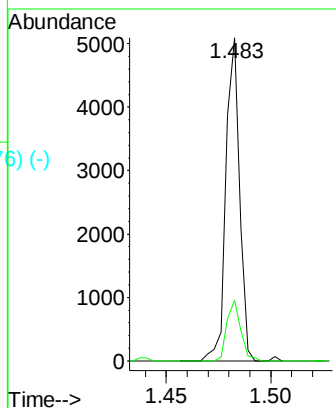
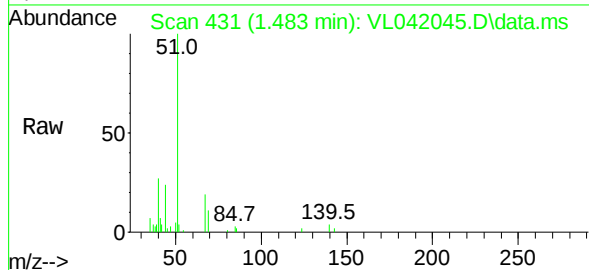




Chlorodifluoromethane  
 Concen: 0.076 ppbv  
 RT: 1.483 min Scan#  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

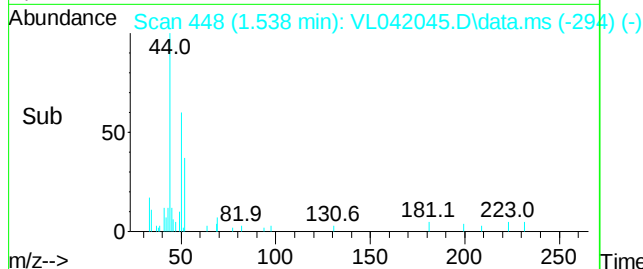
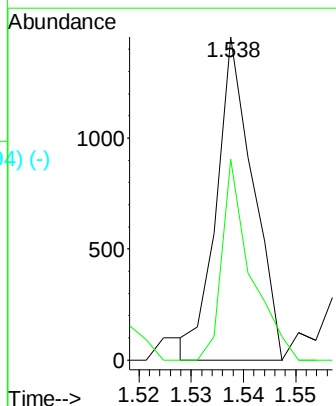
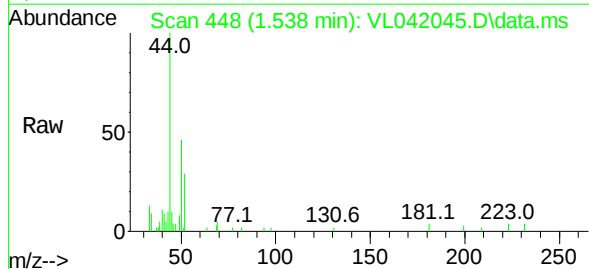
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

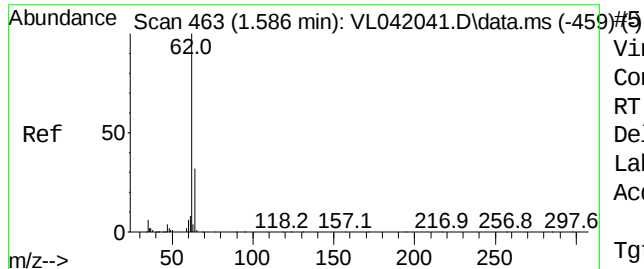
Tgt Ion: 51 Resp: 2339  
 Ion Ratio Lower Upper  
 51 100  
 67 19.0 13.7 20.5



Chloromethane  
 Concen: 0.065 ppbv  
 RT: 1.538 min Scan# 448  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

Tgt Ion: 50 Resp: 704  
 Ion Ratio Lower Upper  
 50 100  
 52 62.2 25.4 38.0#

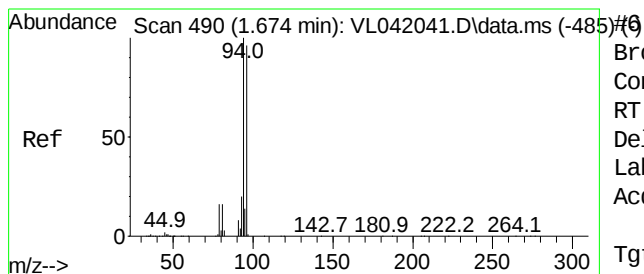
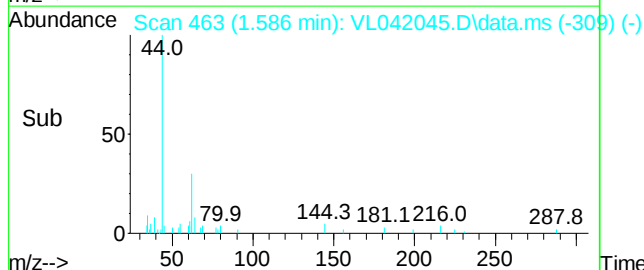
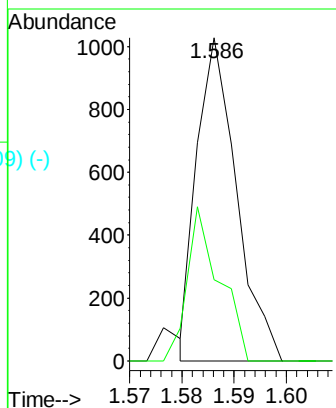
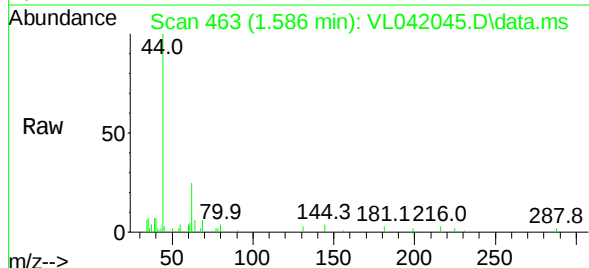




Vinyl Chloride  
 Concen: 0.042 ppbv  
 RT: 1.586 min Scan#  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

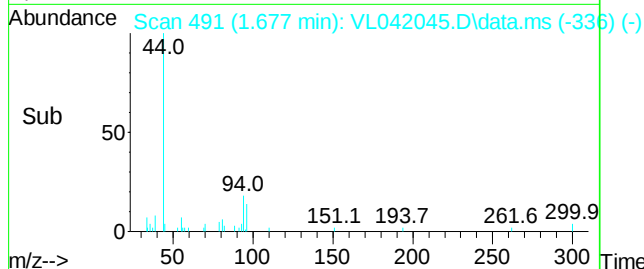
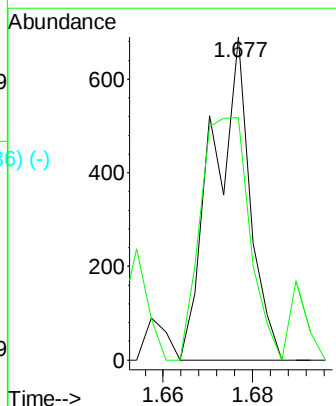
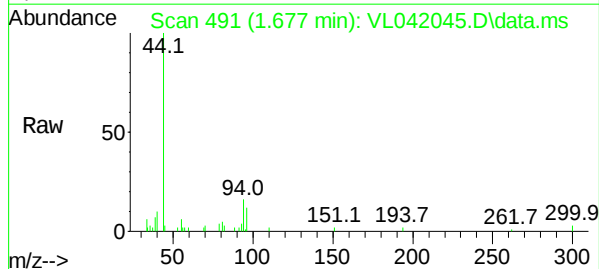
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

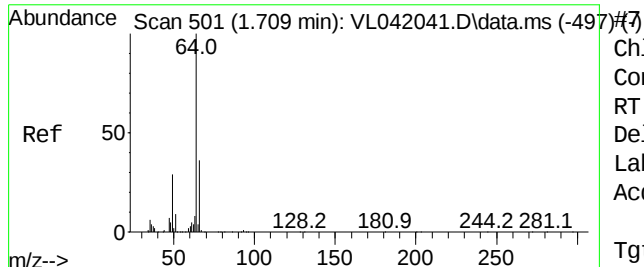
Tgt Ion: 62 Resp: 543  
 Ion Ratio Lower Upper  
 62 100  
 64 25.2 25.3 37.9#



Bromomethane  
 Concen: 0.080 ppbv  
 RT: 1.677 min Scan# 491  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

Tgt Ion: 94 Resp: 398  
 Ion Ratio Lower Upper  
 94 100  
 96 75.1 76.5 114.7#

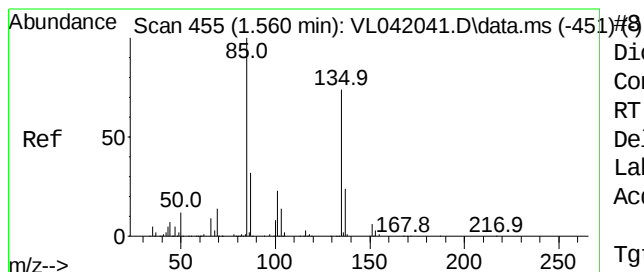
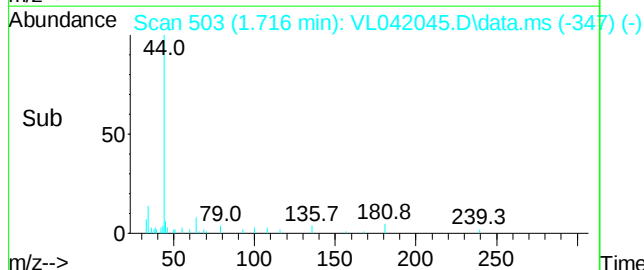
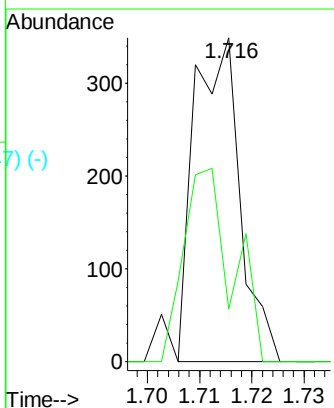
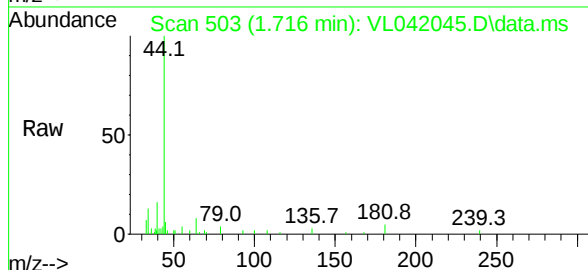




Chloroethane  
 Concen: 0.051 ppbv  
 RT: 1.716 min Scan# 5  
 Delta R.T. 0.006 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

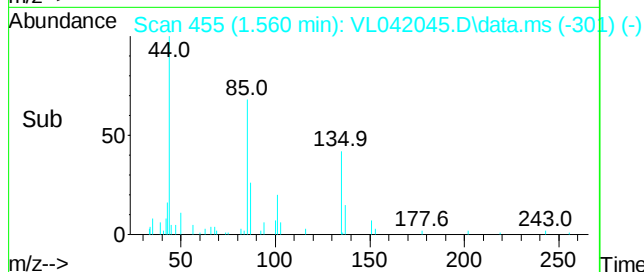
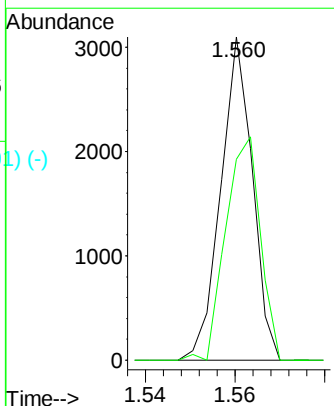
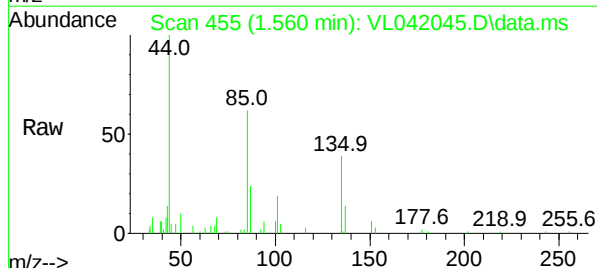
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

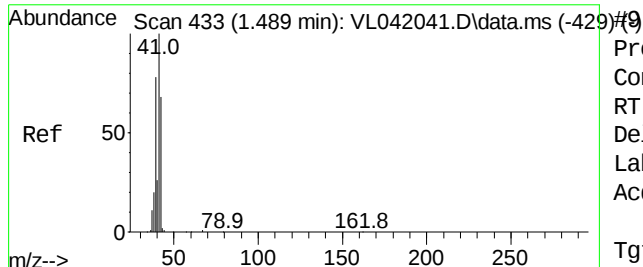
Tgt Ion: 64 Resp: 213  
 Ion Ratio Lower Upper  
 64 100  
 66 16.0 28.4 42.6#



Dichlorotetrafluoroethane  
 Concen: 0.062 ppbv  
 RT: 1.560 min Scan# 455  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

Tgt Ion: 85 Resp: 1520  
 Ion Ratio Lower Upper  
 85 100  
 135 75.3 54.6 81.8

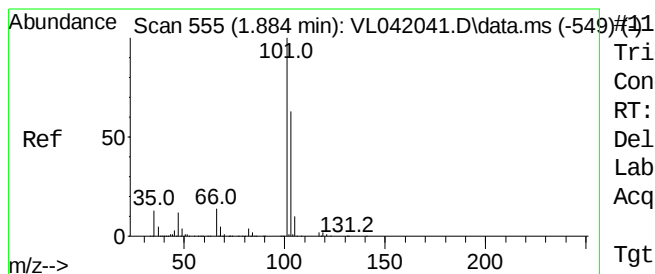
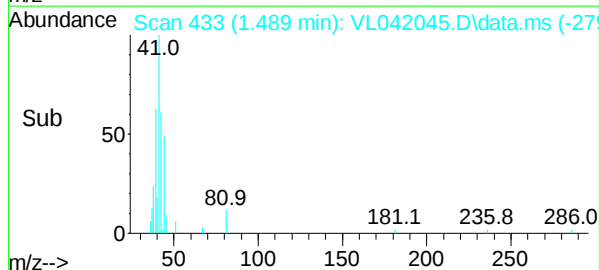
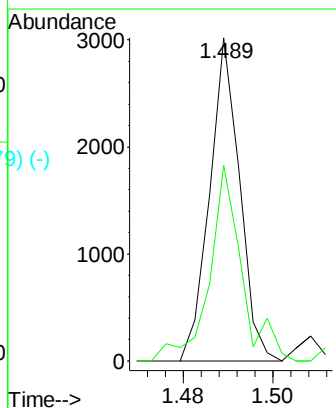
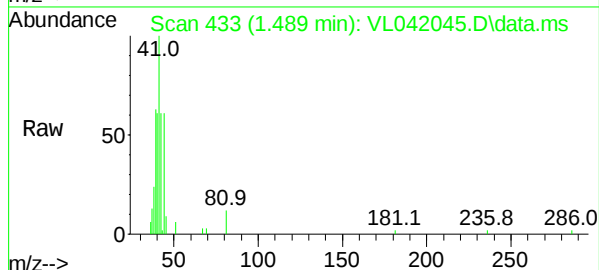




Propene  
 Concen: 0.106 ppbv  
 RT: 1.489 min Scan#  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

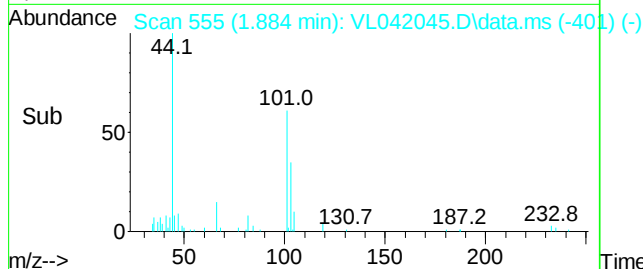
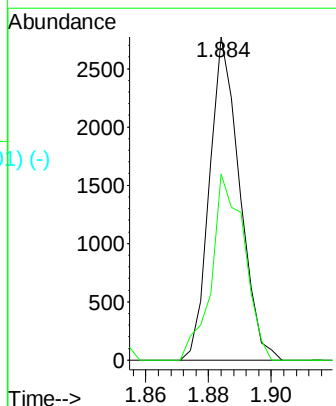
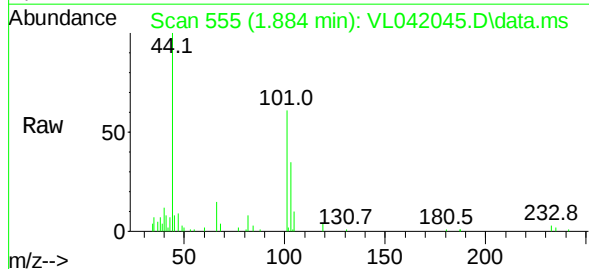
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

Tgt Ion: 41 Resp: 1402  
 Ion Ratio Lower Upper  
 41 100  
 42 65.3 55.8 83.6

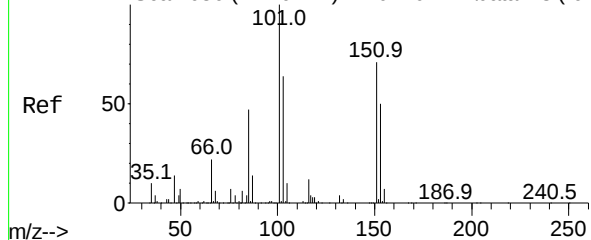


Trichlorofluoromethane  
 Concen: 0.066 ppbv  
 RT: 1.884 min Scan# 555  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

Tgt Ion: 101 Resp: 1855  
 Ion Ratio Lower Upper  
 101 100  
 103 57.5 50.6 75.8



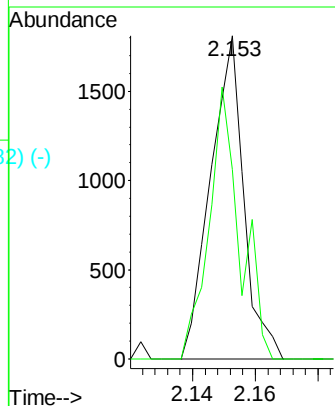
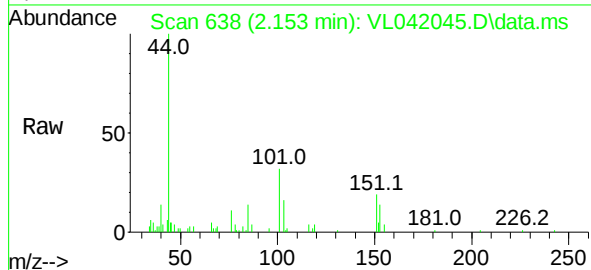
Abundance Scan 636 (2.146 min): VL042041.D\data.ms (-629) #12



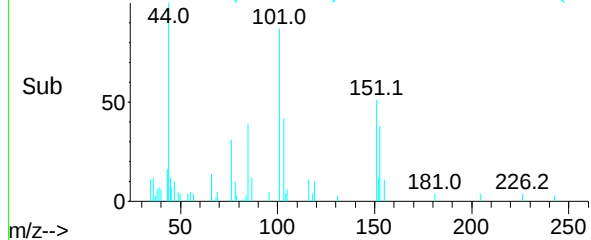
1,1,2-Trichlorotrifluoroethane  
Concen: 0.061 ppbv  
RT: 2.153 min Scan# 520  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Instrument : MSVOA\_1  
ClientSampleId : VSTDIC0.1

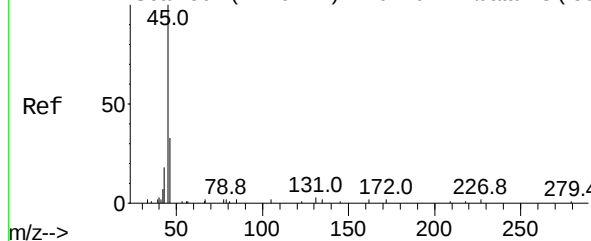
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 151     | 78.1  | 62.6  | 94.0  |



Abundance Scan 638 (2.153 min): VL042045.D\data.ms (-482) (-)

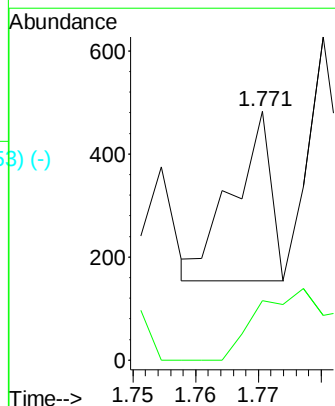
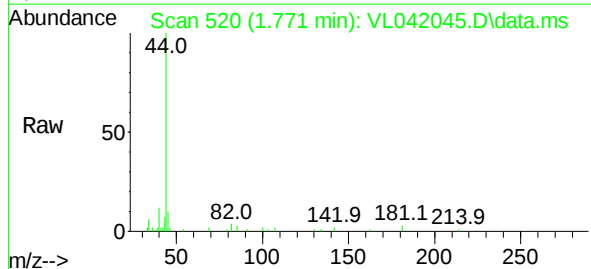


Abundance Scan 507 (1.729 min): VL042041.D\data.ms (-503) #13

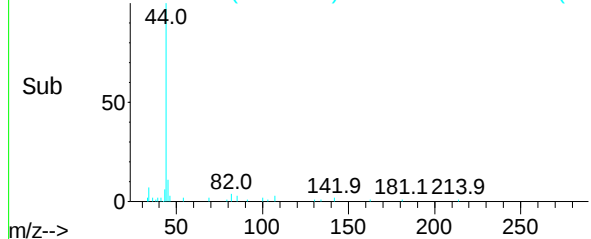


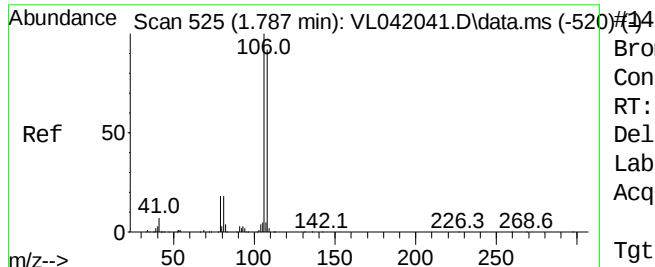
Ethanol  
Concen: 0.092 ppbv  
RT: 1.771 min Scan# 520  
Delta R.T. 0.042 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 46      | 175.9 | 17.1  | 68.3# |



Abundance Scan 520 (1.771 min): VL042045.D\data.ms (-353) (-)

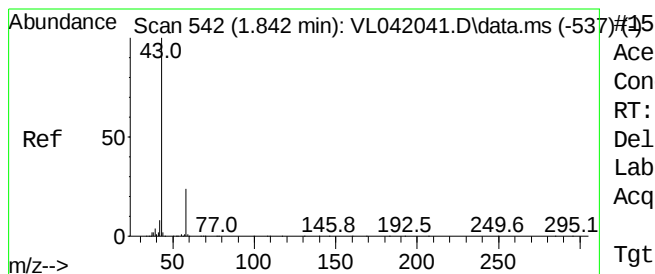
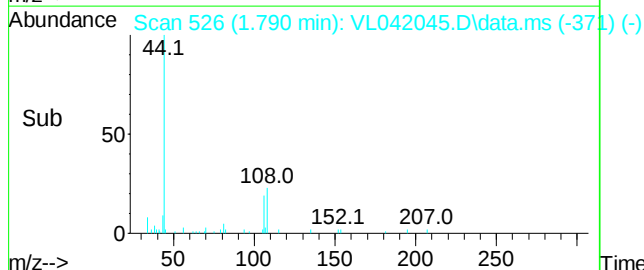
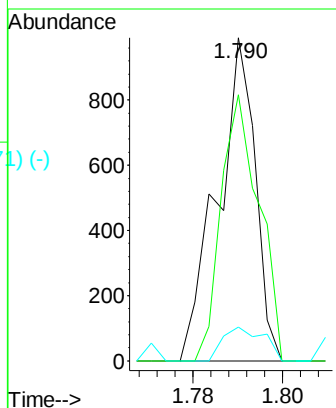
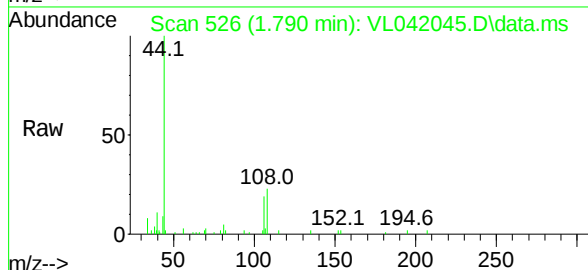




Bromoethene  
 Concen: 0.071 ppbv  
 RT: 1.790 min Scan# 525  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

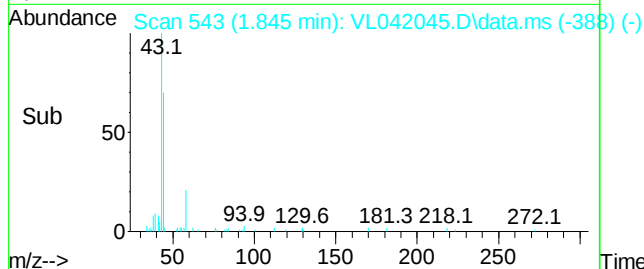
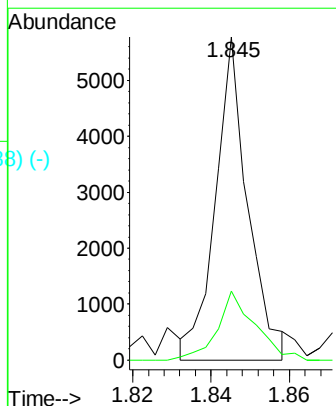
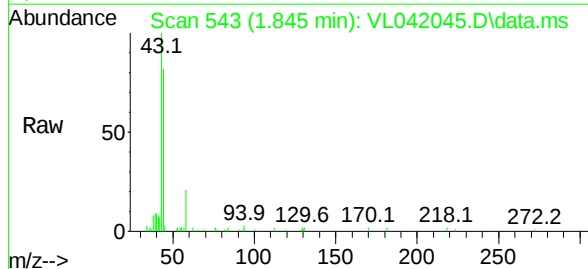
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

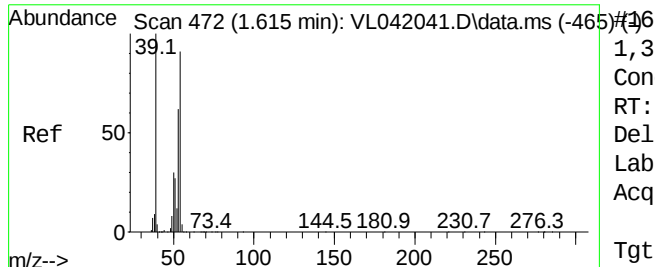
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 108   | Resp: | 581    |
| Ion      | Ratio | Lower | Upper  |
| 108      | 100   |       |        |
| 106      | 82.1  | 85.4  | 128.0# |
| 79       | 15.7  | 16.5  | 24.7#  |



Acetone  
 Concen: 0.125 ppbv  
 RT: 1.845 min Scan# 543  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3317  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 26.4  | 20.7  | 31.1  |

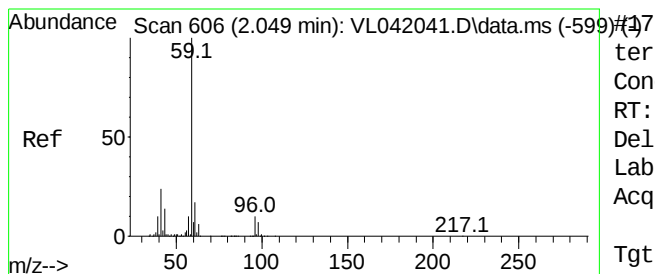
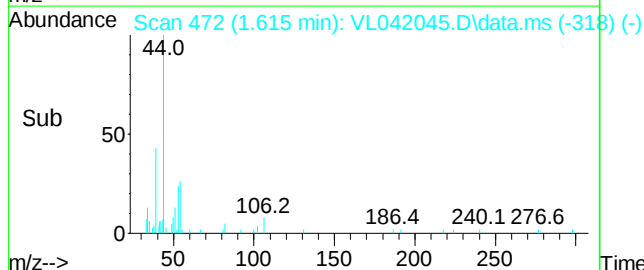
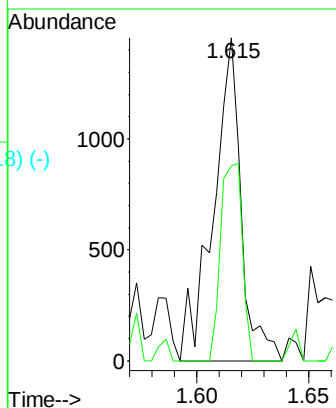
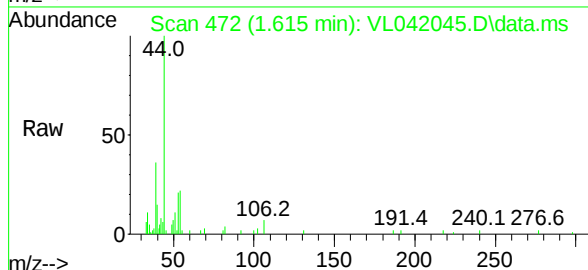




1,3-Butadiene  
 Concen: 0.100 ppbv  
 RT: 1.615 min Scan#  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

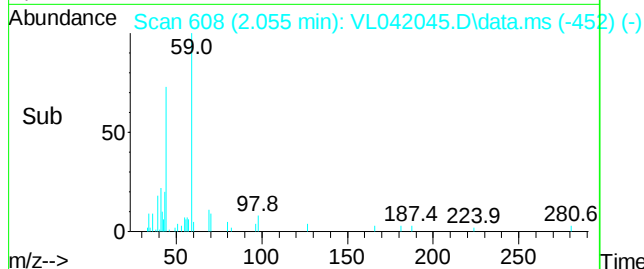
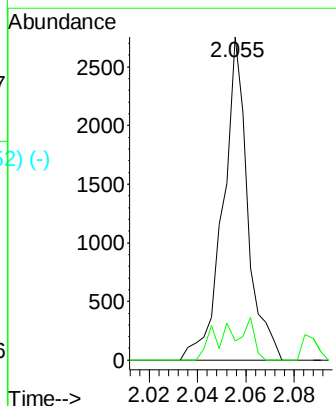
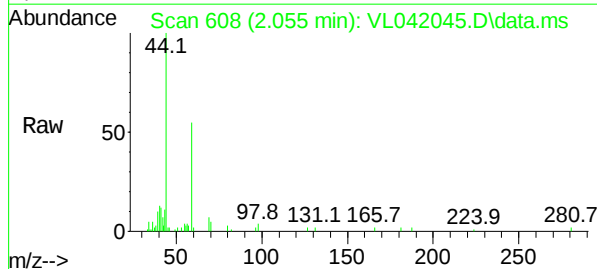
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

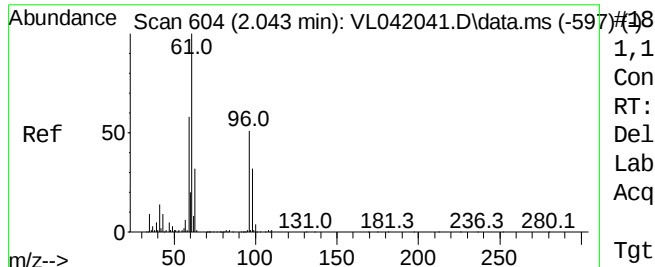
Tgt Ion: 39 Resp: 1259  
 Ion Ratio Lower Upper  
 39 100  
 54 53.1 59.6 89.4#



tert-Butyl alcohol  
 Concen: 0.059 ppbv  
 RT: 2.055 min Scan# 608  
 Delta R.T. 0.006 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

Tgt Ion: 59 Resp: 1942  
 Ion Ratio Lower Upper  
 59 100  
 57 15.9 9.3 13.9#

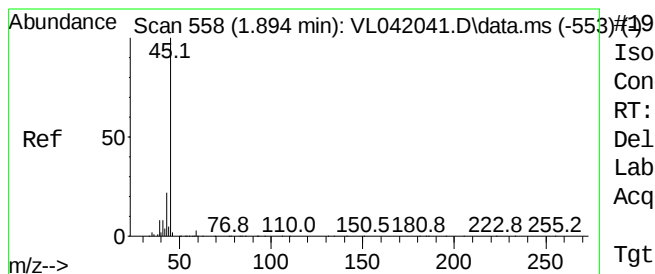
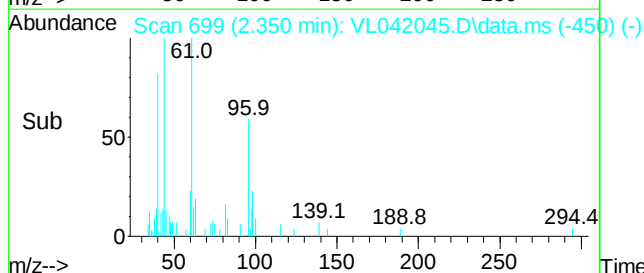
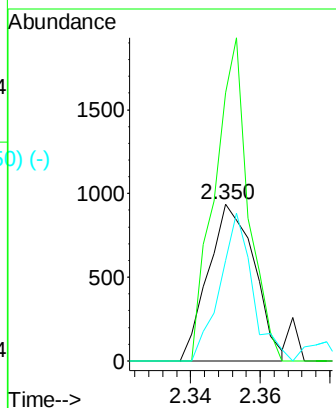
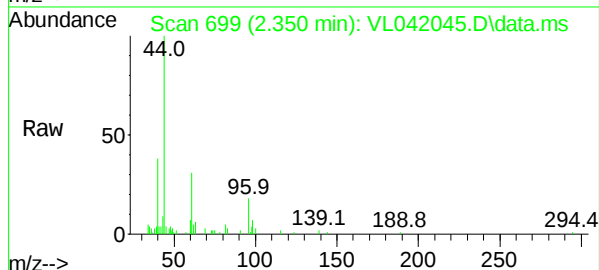




1,1-Dichloroethene  
Concen: 0.083 ppbv  
RT: 2.350 min Scan#  
Delta R.T. 0.307 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

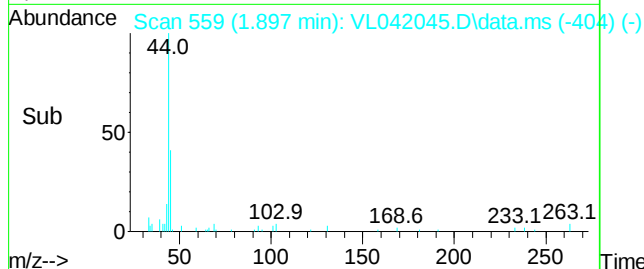
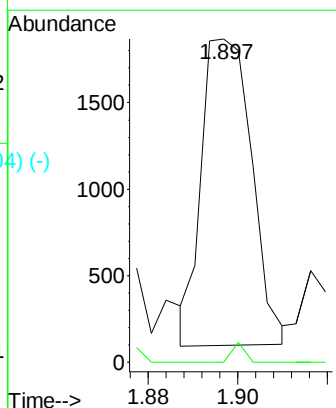
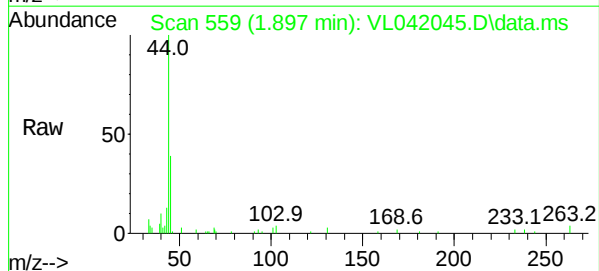
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

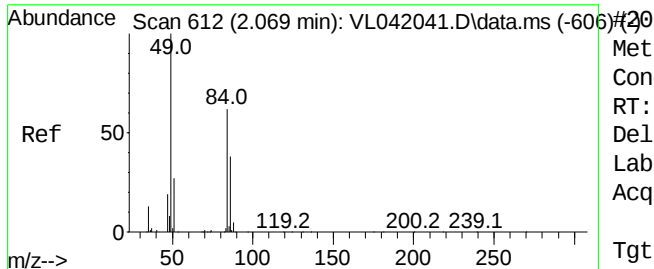
Tgt Ion: 96 Resp: 863  
Ion Ratio Lower Upper  
96 100  
61 170.7 156.0 234.0  
98 64.0 49.4 74.2



Isopropyl Alcohol  
Concen: 0.092 ppbv  
RT: 1.897 min Scan# 559  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion: 45 Resp: 1375  
Ion Ratio Lower Upper  
45 100  
58 0.0 35.3 52.9#

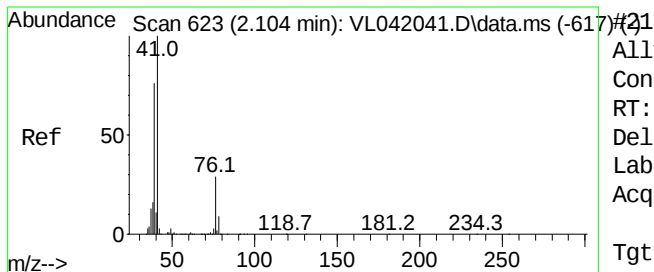
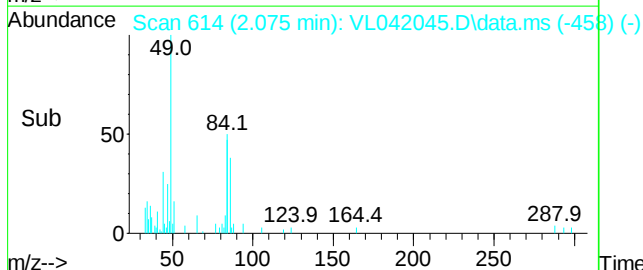
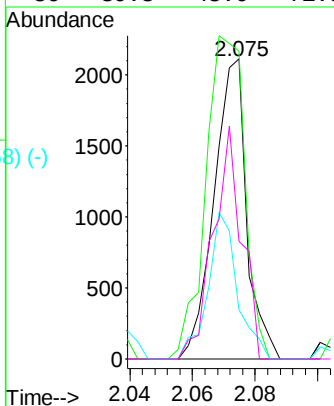
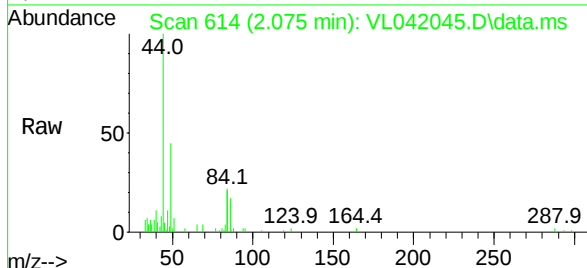




Methylene Chloride  
 Concen: 0.154 ppbv  
 RT: 2.075 min Scan#  
 Delta R.T. 0.006 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

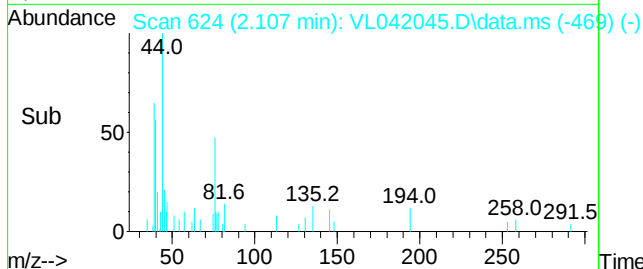
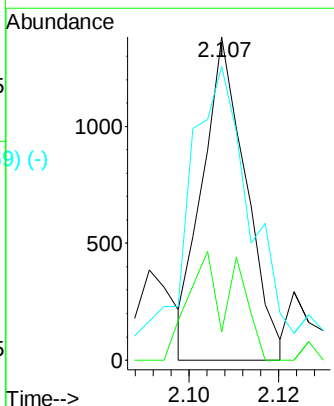
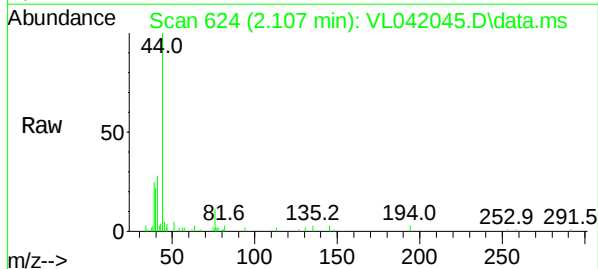
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1541   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 102.7 | 130.0 | 195.0# |
| 51       | 16.4  | 37.4  | 56.0#  |
| 86       | 39.3  | 48.6  | 72.8#  |

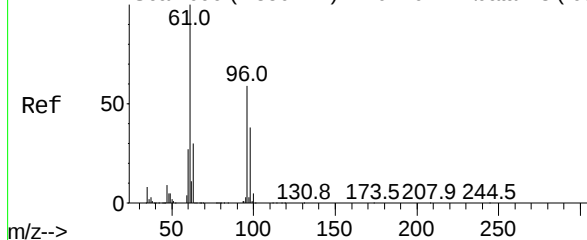


Allyl Chloride  
 Concen: 0.048 ppbv  
 RT: 2.107 min Scan# 624  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 929   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 76       | 37.5  | 23.8  | 35.6# |
| 39       | 126.3 | 63.8  | 95.6# |



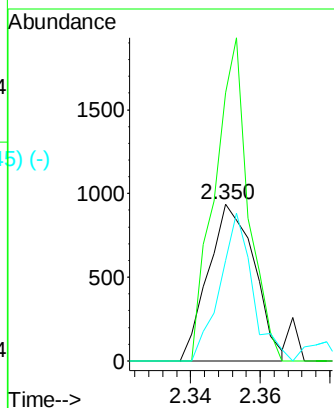
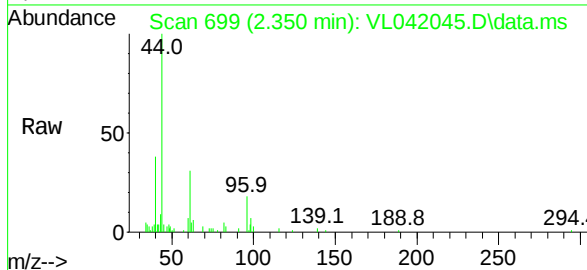
Abundance Scan 699 (2.350 min): VL042041.D\data.ms (-692) #22



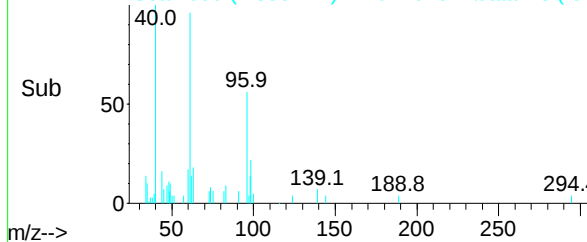
trans-1,2-Dichloroethene  
Concen: 0.076 ppbv  
RT: 2.350 min Scan# 738  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

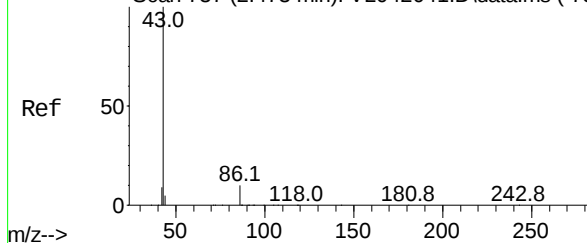
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 863   |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 170.7 | 136.6 | 205.0 |
| 98       | 64.0  | 51.8  | 77.6  |



Abundance Scan 699 (2.350 min): VL042045.D\data.ms (-545) (-)

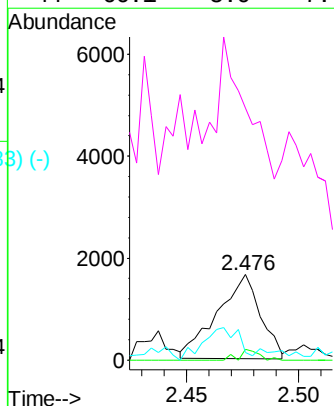
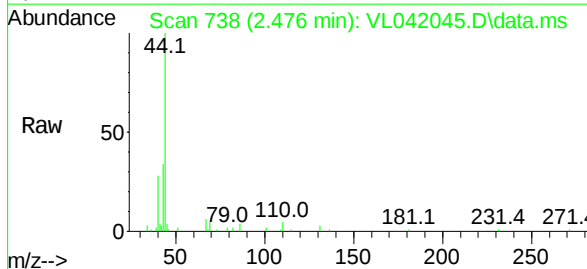


Abundance Scan 737 (2.473 min): VL042041.D\data.ms (-733) #23

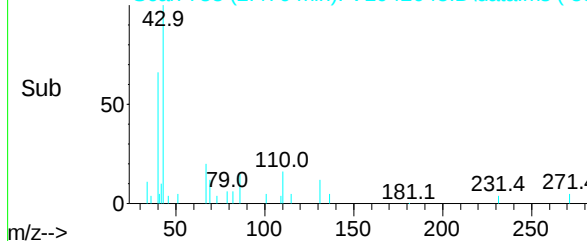


Vinyl Acetate  
Concen: 0.153 ppbv  
RT: 2.476 min Scan# 738  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2203  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 14.1  | 7.0   | 10.4# |
| 42       | 9.6   | 7.6   | 11.4  |
| 44       | 66.1  | 5.0   | 7.4#  |



Abundance Scan 738 (2.476 min): VL042045.D\data.ms (-588) (-)



Abundance Scan 720 (2.418 min): VL042041.D\data.ms (-709) #24

1,1-Dichloroethane

Concen: 0.061 ppbv

RT: 2.418 min Scan#

Delta R.T. -0.000 min

Lab File: VL042045.D

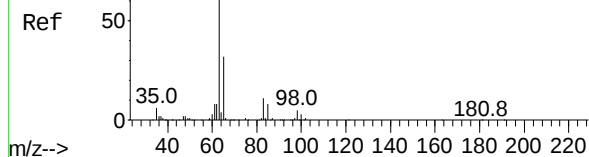
Acq: 25 Feb 2025 11:03

Instrument :

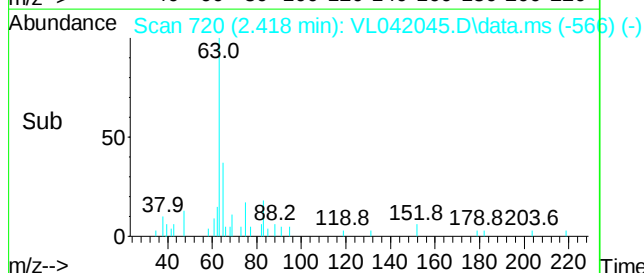
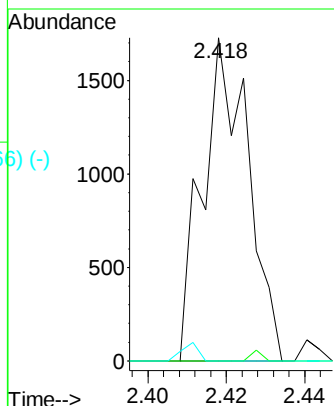
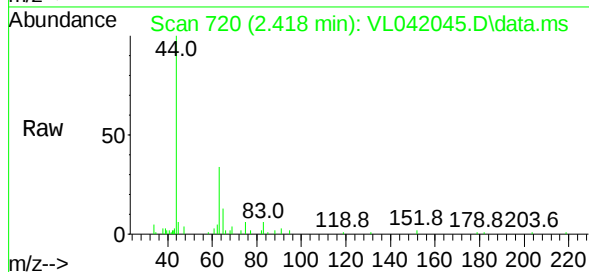
MSVOA\_1

ClientSampleId :

VSTDIC0.1



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 1398  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 0.0   | 2.4   | 7.2#  |
| 100      | 0.0   | 1.7   | 5.0#  |



Abundance Scan 854 (2.852 min): VL042041.D\data.ms (-839) #25

Ethyl Acetate

Concen: 0.083 ppbv

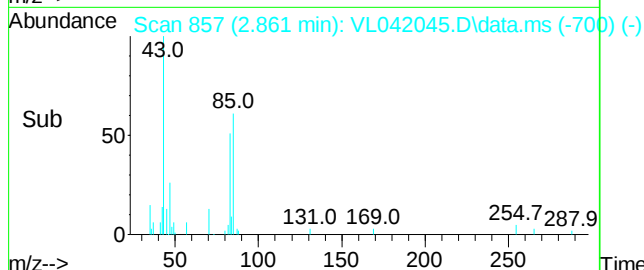
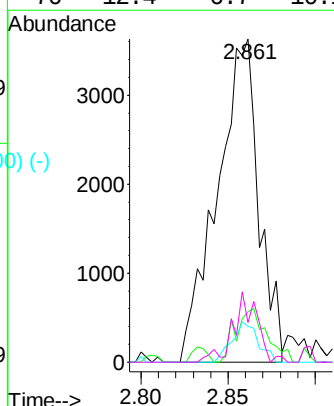
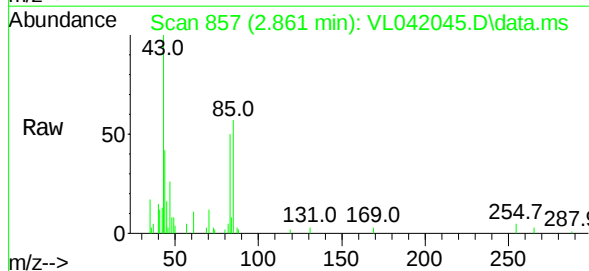
RT: 2.861 min Scan# 857

Delta R.T. 0.010 min

Lab File: VL042045.D

Acq: 25 Feb 2025 11:03

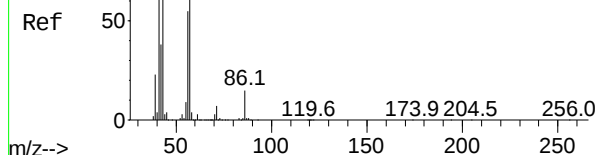
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6037  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 15.5  | 8.1   | 12.1# |
| 61       | 7.8   | 7.2   | 10.8  |
| 70       | 12.4  | 6.7   | 10.1# |



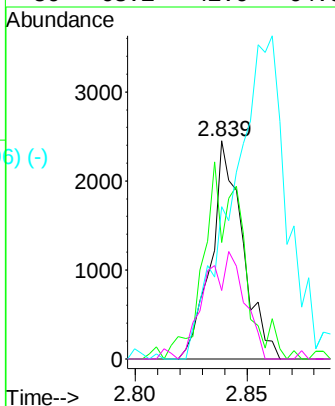
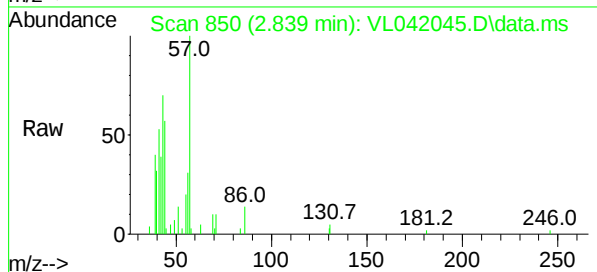
Abundance Scan 850 (2.839 min): VL042041.D\data.ms (-840) #26

Hexane  
Concen: 0.082 ppbv  
RT: 2.839 min Scan#  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

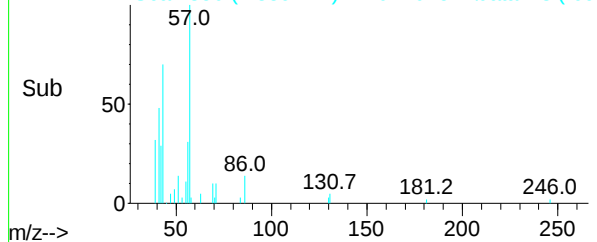
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 2417   |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 109.7 | 70.6  | 106.0# |
| 43       | 265.1 | 199.4 | 299.0  |
| 56       | 63.1  | 42.6  | 64.0   |



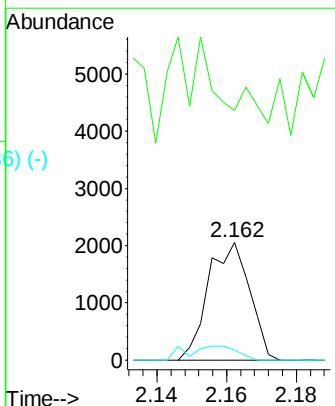
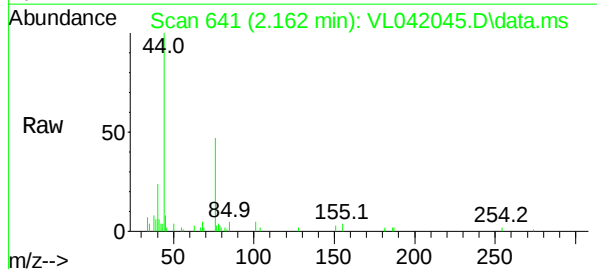
Abundance Scan 850 (2.839 min): VL042045.D\data.ms (-696) (-)



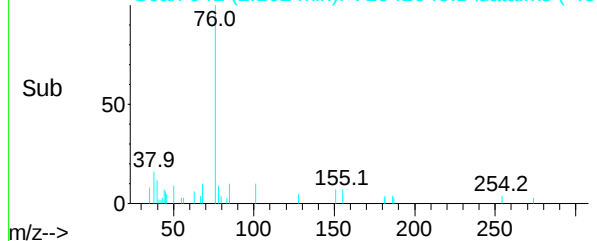
Abundance Scan 640 (2.159 min): VL042041.D\data.ms (-633) #27

Carbon Disulfide  
Concen: 0.061 ppbv  
RT: 2.162 min Scan# 641  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 1691  |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 44       | 451.3 | 16.2  | 24.2# |
| 78       | 14.4  | 9.4   | 14.0# |



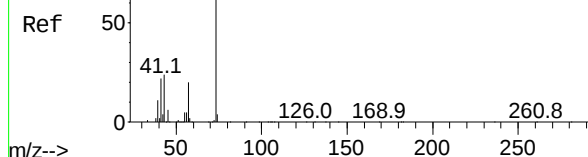
Abundance Scan 641 (2.162 min): VL042045.D\data.ms (-486) (-)



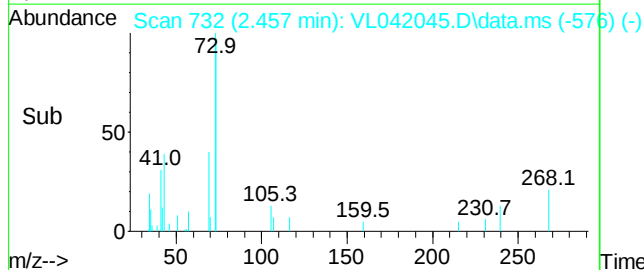
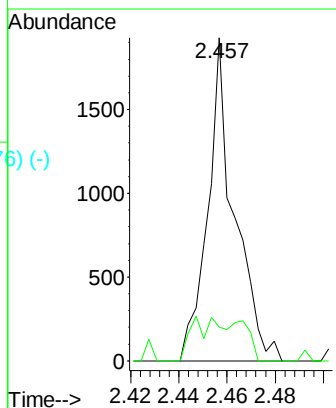
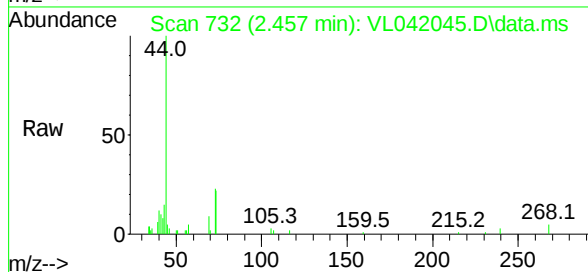
Abundance Scan 730 (2.450 min): VL042041.D\data.ms (-723) #28

Methyl tert-Butyl Ether  
Concen: 0.082 ppbv  
RT: 2.457 min Scan#  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1



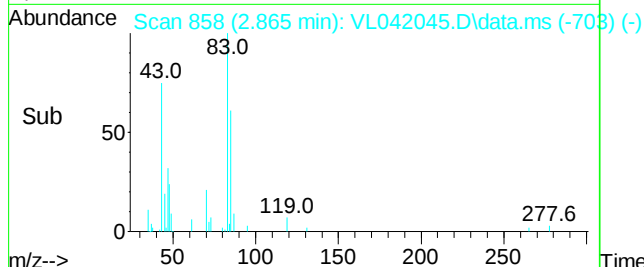
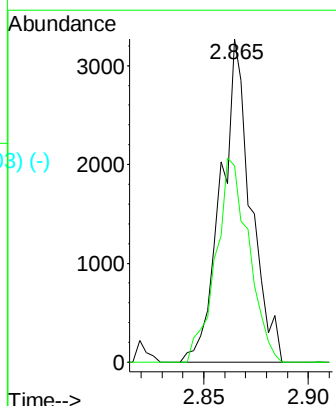
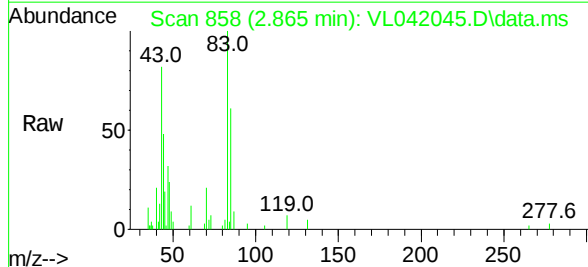
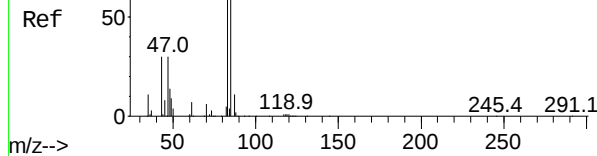
Tgt Ion: 73 Resp: 1475  
Ion Ratio Lower Upper  
73 100  
57 26.0 17.7 26.5



Abundance Scan 857 (2.862 min): VL042041.D\data.ms (-847) #29

Chloroform  
Concen: 0.077 ppbv  
RT: 2.865 min Scan# 858  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion: 83 Resp: 3264  
Ion Ratio Lower Upper  
83 100  
85 60.7 51.2 76.8



Abundance Scan 1170 (3.875 min): VL042041.D\data.ms (-11530)

Cyclohexane

Concen: 0.060 ppbv

RT: 3.881 min Scan#

Delta R.T. 0.006 min

Lab File: VL042045.D

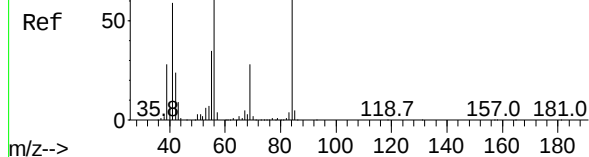
Acq: 25 Feb 2025 11:03

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1



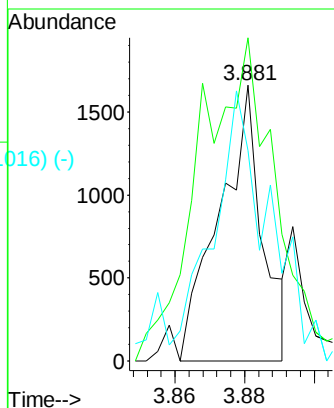
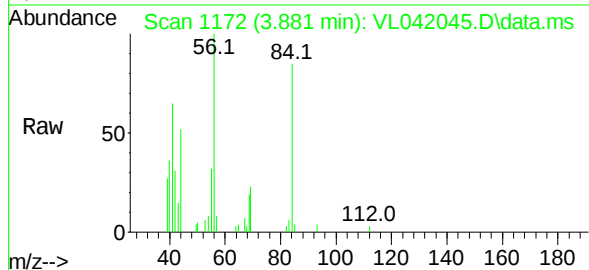
Tgt Ion: 84 Resp: 1421

Ion Ratio Lower Upper

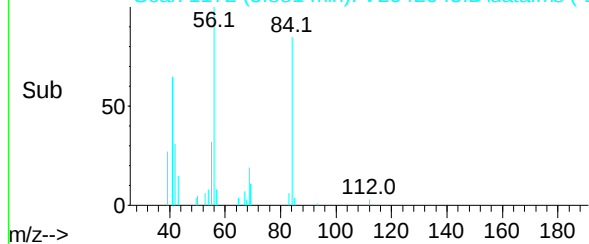
84 100

56 209.1 101.5 152.3#

41 154.8 62.6 93.8#



Abundance Scan 1172 (3.881 min): VL042045.D\data.ms (-1016) (-)



Abundance Scan 817 (2.732 min): VL042041.D\data.ms (-809) (-)

cis-1,2-Dichloroethene

Concen: 0.046 ppbv

RT: 2.732 min Scan# 817

Delta R.T. -0.000 min

Lab File: VL042045.D

Acq: 25 Feb 2025 11:03

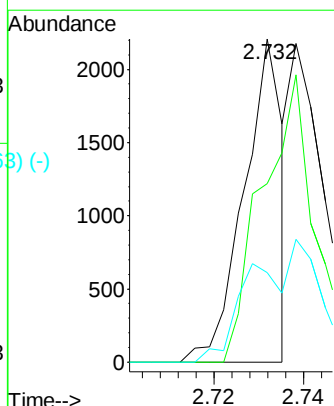
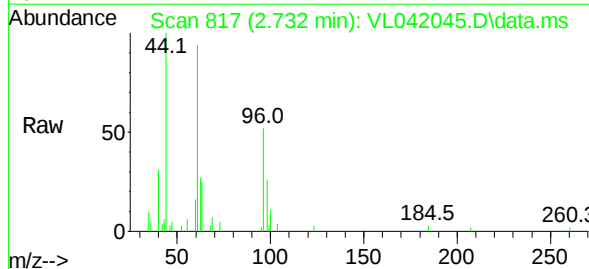
Tgt Ion: 61 Resp: 1328

Ion Ratio Lower Upper

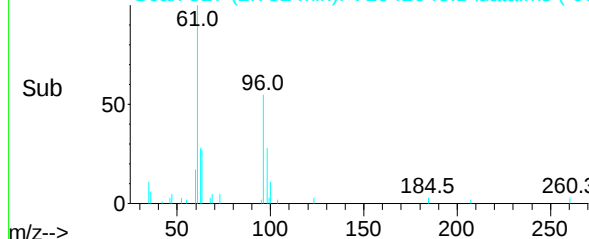
61 100

96 55.3 51.5 77.3

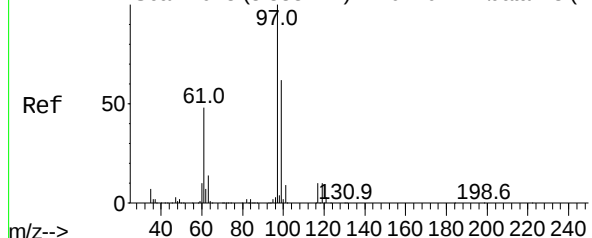
98 27.6 32.0 48.0#



Abundance Scan 817 (2.732 min): VL042045.D\data.ms (-668) (-)



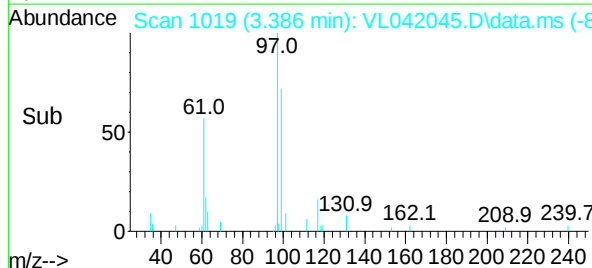
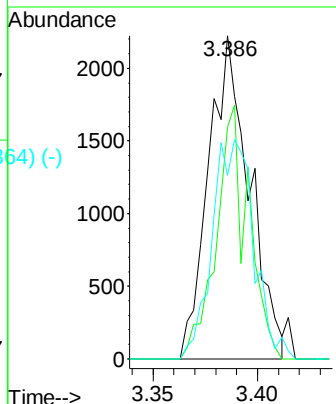
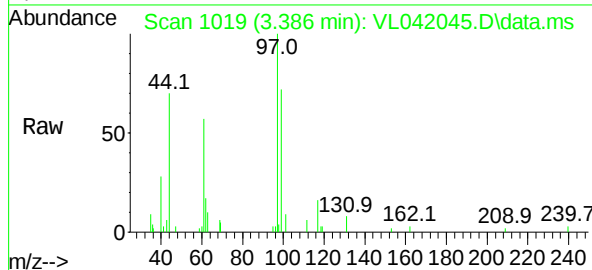
Abundance Scan 1018 (3.383 min): VL042041.D\data.ms (-10632)



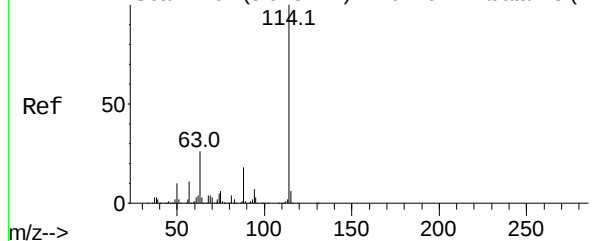
1,1,1-Trichloroethane  
Concen: 0.064 ppbv  
RT: 3.386 min Scan#  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 3026  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.1  | 49.8  | 74.6  |
| 61       | 68.5  | 38.9  | 58.3# |

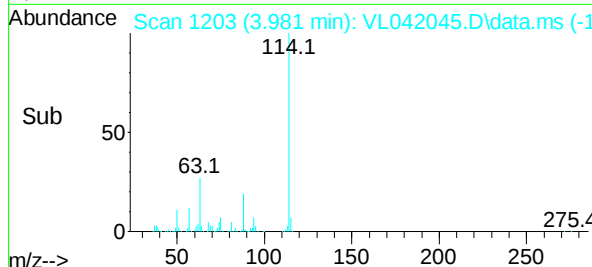
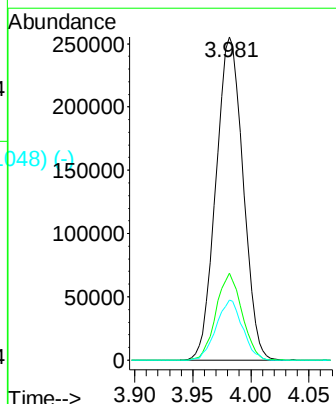
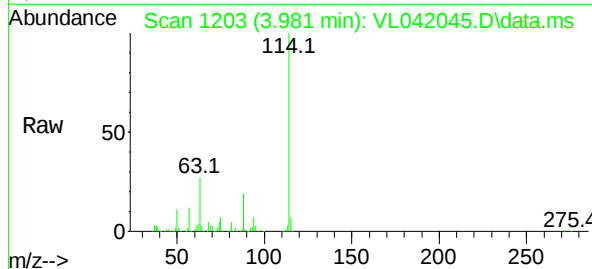


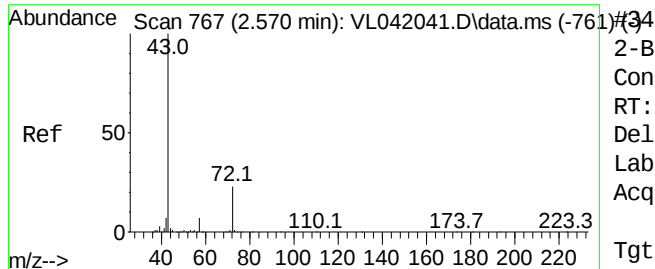
Abundance Scan 1202 (3.978 min): VL042041.D\data.ms (-11893)



1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.981 min Scan# 1203  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 414875 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 25.7  | 20.1  | 30.1   |
| 88       | 18.0  | 14.3  | 21.5   |

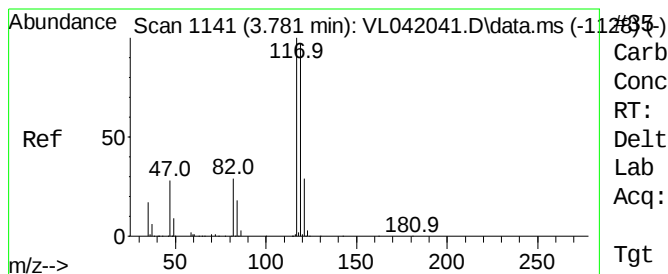
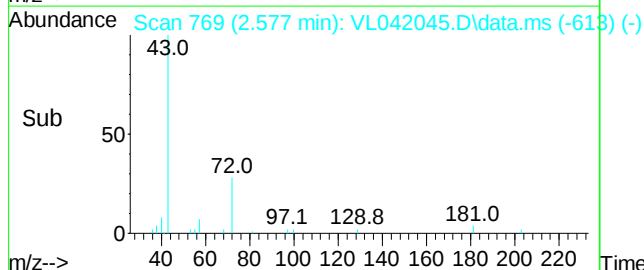
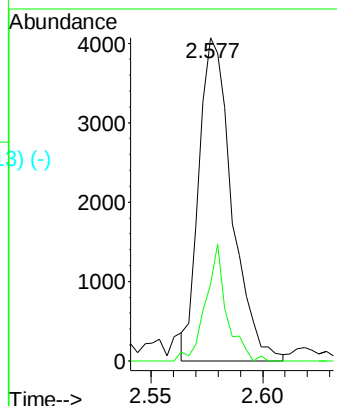
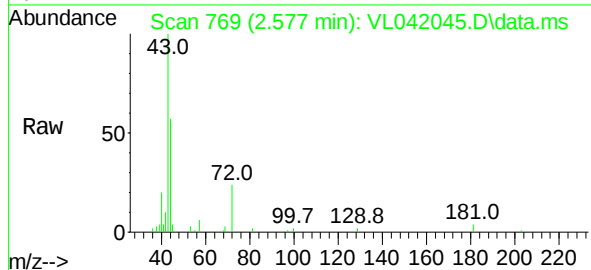




2-Butanone  
Concen: 0.117 ppbv  
RT: 2.577 min Scan#  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

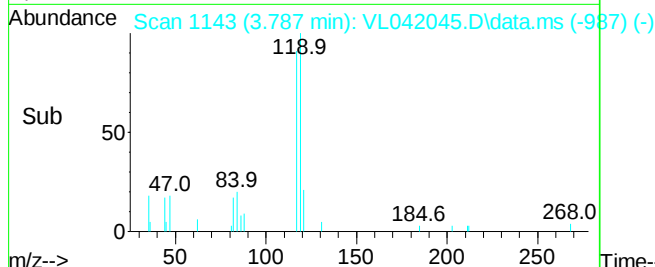
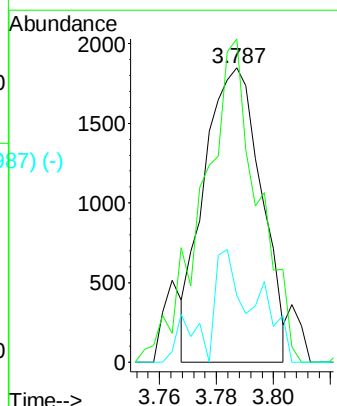
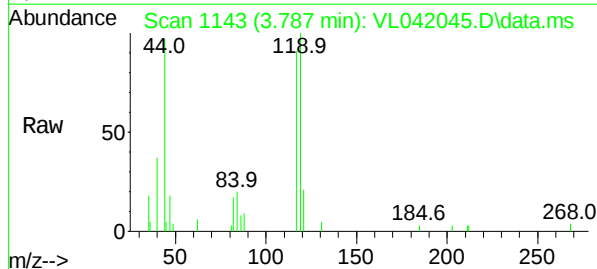
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1

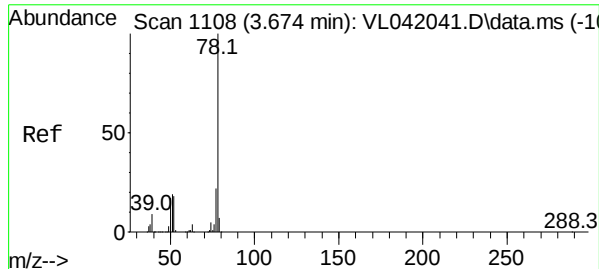
Tgt Ion: 43 Resp: 4167  
Ion Ratio Lower Upper  
43 100  
72 23.0 18.5 27.7



Carbon Tetrachloride  
Concen: 0.064 ppbv  
RT: 3.787 min Scan# 1143  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion:117 Resp: 2571  
Ion Ratio Lower Upper  
117 100  
119 89.5 77.8 116.8  
121 7.7 23.4 35.0#

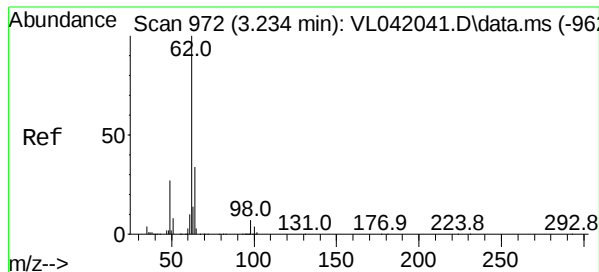
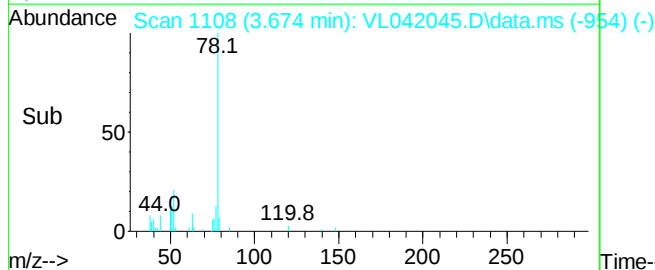
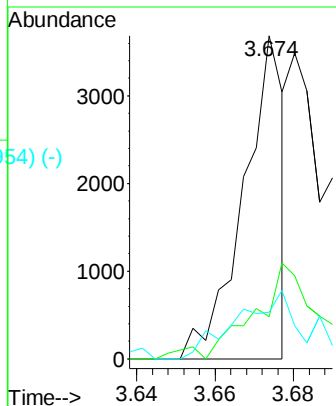
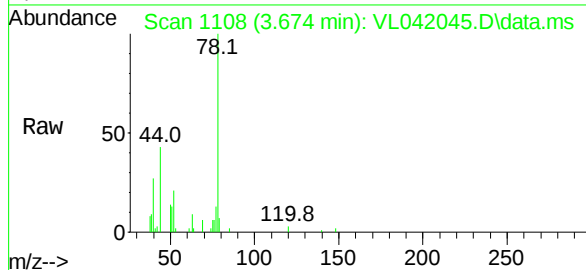




Benzene  
Concen: 0.052 ppbv  
RT: 3.674 min Scan#  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

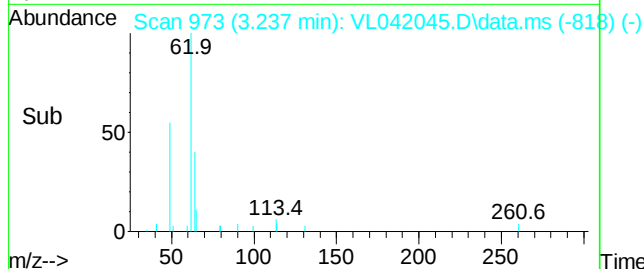
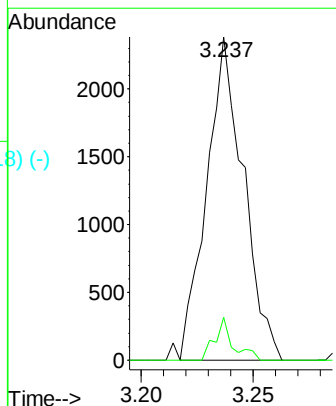
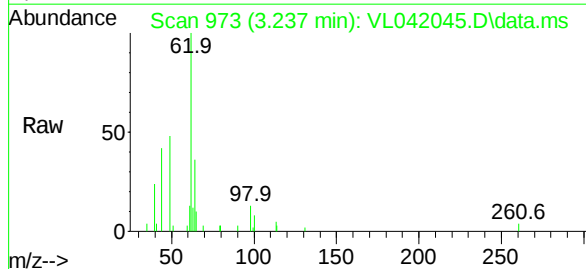
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

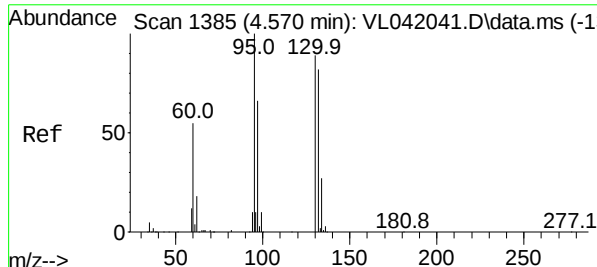
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 2614  |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 10.3  | 17.7  | 26.5# |
| 50       | 14.4  | 13.9  | 20.9  |



1,2-Dichloroethane  
Concen: 0.096 ppbv  
RT: 3.237 min Scan# 973  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 2734  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 6.4   | 5.7   | 8.5   |

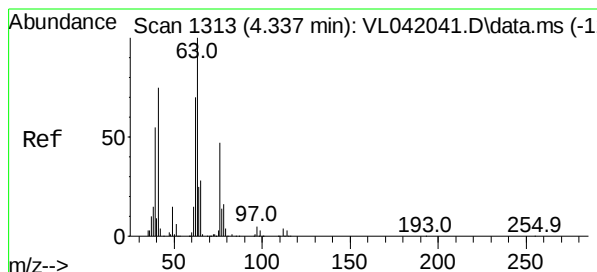
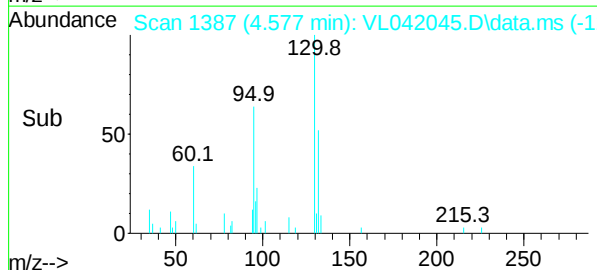
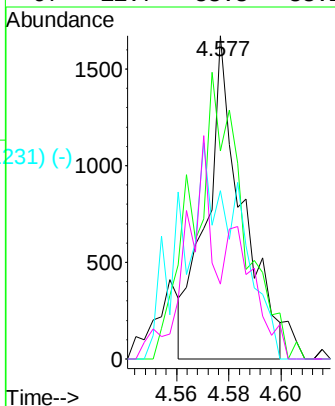
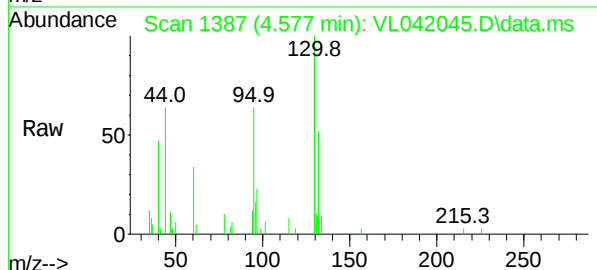




Trichloroethene  
Concen: 0.078 ppbv  
RT: 4.577 min Scan#  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

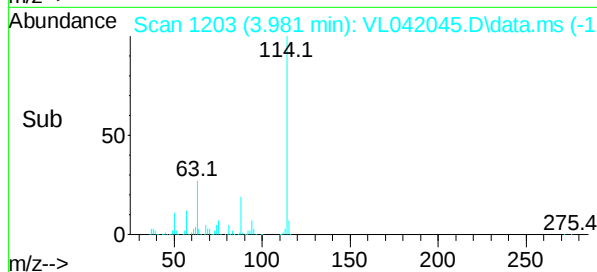
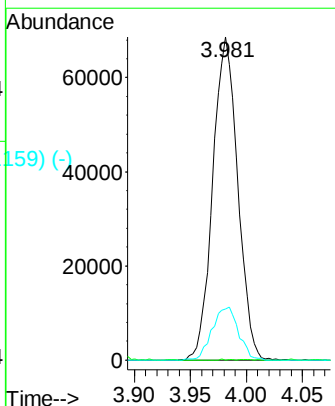
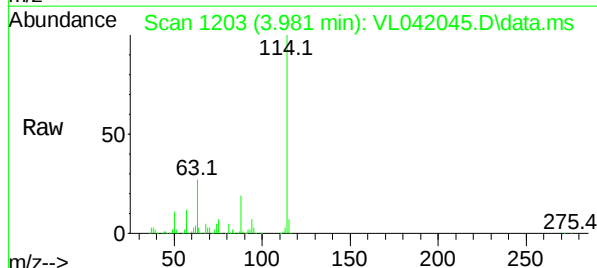
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 1585   |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 50.5  | 89.5  | 134.3# |
| 132      | 52.5  | 73.8  | 110.6# |
| 97       | 12.7  | 58.8  | 88.2#  |



1,2-Dichloropropane  
Concen: 5.792 ppbv  
RT: 3.981 min Scan# 1203  
Delta R.T. -0.356 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

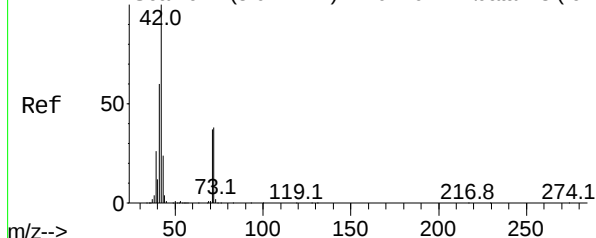
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 106722 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 41       | 0.0   | 60.1  | 90.1#  |
| 62       | 15.9  | 55.8  | 83.8#  |



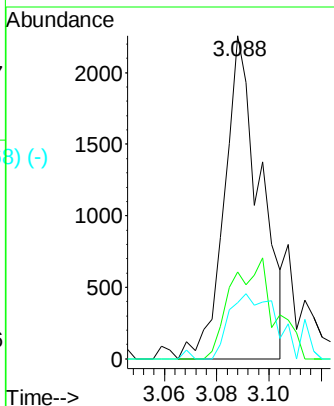
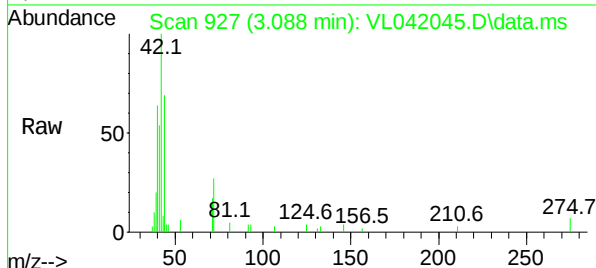
Abundance Scan 922 (3.072 min): VL042041.D\data.ms (-916) #41

Tetrahydrofuran  
Concen: 0.105 ppbv  
RT: 3.088 min Scan#  
Delta R.T. 0.016 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

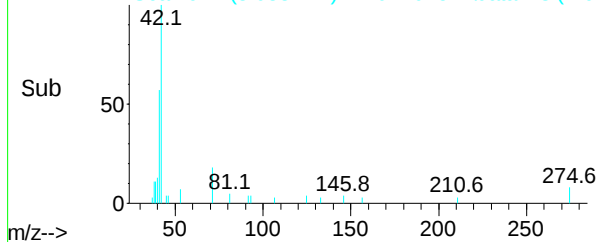
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 2150  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 0.0   | 30.2  | 45.2# |
| 71       | 29.4  | 28.2  | 42.4  |



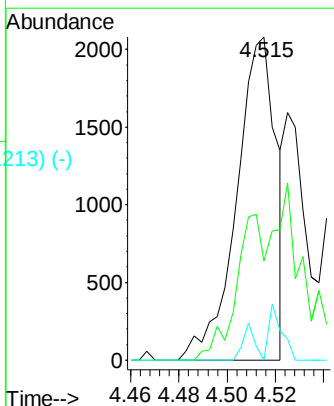
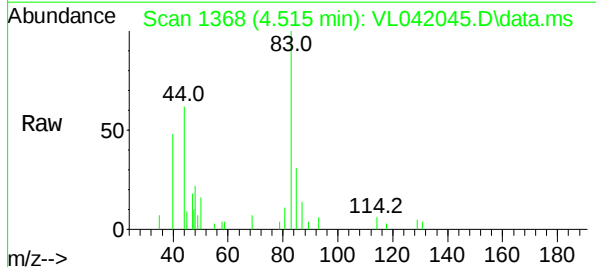
Abundance Scan 927 (3.088 min): VL042045.D\data.ms (-768) (-)



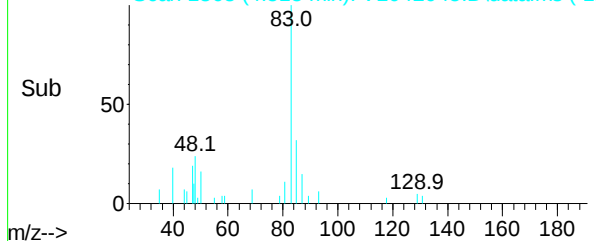
Abundance Scan 1367 (4.512 min): VL042041.D\data.ms (-1352) #42

Bromodichloromethane  
Concen: 0.061 ppbv  
RT: 4.515 min Scan# 1368  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

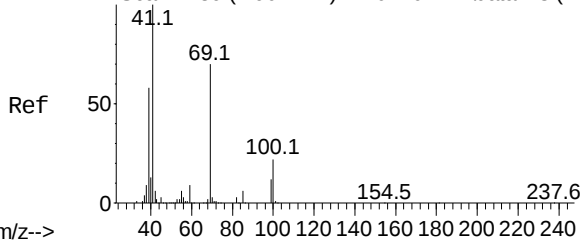
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2370  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 30.8  | 51.4  | 77.2# |
| 127      | 0.0   | 5.8   | 8.6#  |



Abundance Scan 1368 (4.515 min): VL042045.D\data.ms (-1213) (-)



Abundance Scan 1489 (4.907 min): VL042041.D\data.ms (-1474)

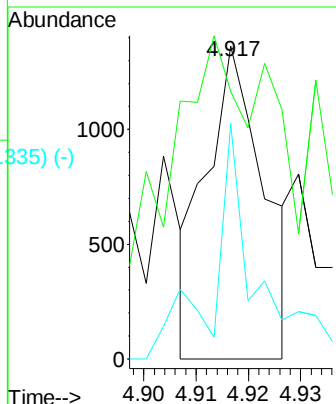
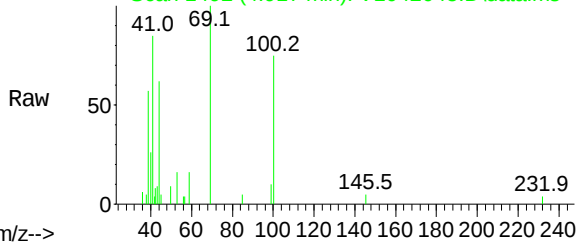


Methyl Methacrylate  
Concen: 0.046 ppbv  
RT: 4.917 min Scan#  
Delta R.T. 0.010 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

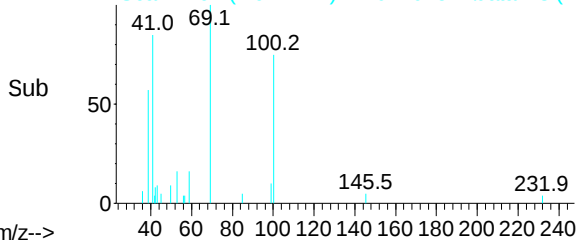
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

Tgt Ion: 69 Resp: 1045  
Ion Ratio Lower Upper  
69 100  
41 274.1 118.2 177.4#  
100 58.9 27.0 40.4#

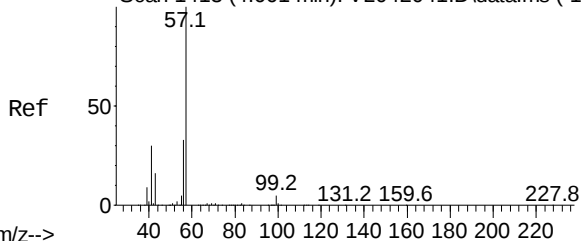
Abundance Scan 1492 (4.917 min): VL042045.D\data.ms



Abundance Scan 1492 (4.917 min): VL042045.D\data.ms (-1335) (-)



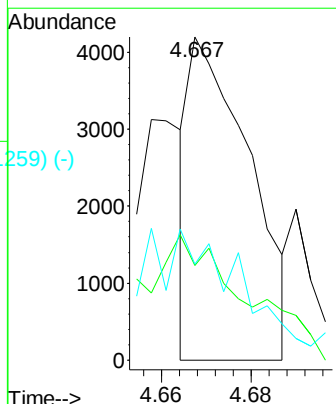
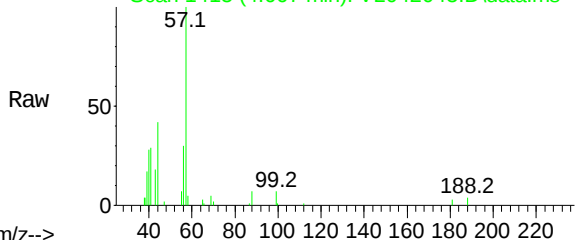
Abundance Scan 1413 (4.661 min): VL042041.D\data.ms (-1404)



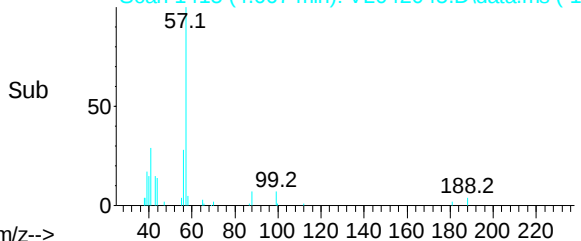
2,2,4-Trimethylpentane  
Concen: 0.046 ppbv  
RT: 4.667 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion: 57 Resp: 3926  
Ion Ratio Lower Upper  
57 100  
41 74.0 24.4 36.6#  
56 0.0 26.5 39.7#

Abundance Scan 1415 (4.667 min): VL042045.D\data.ms



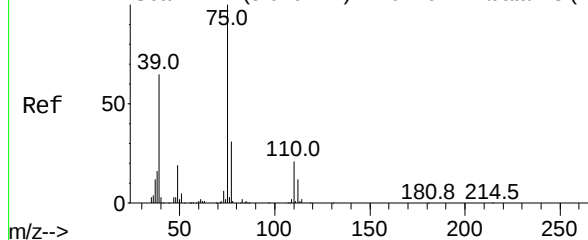
Abundance Scan 1415 (4.667 min): VL042045.D\data.ms (-1259) (-)



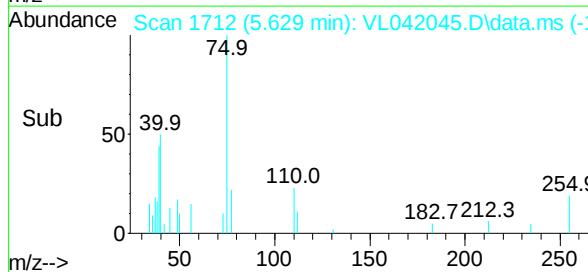
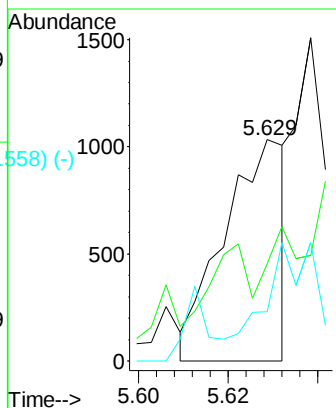
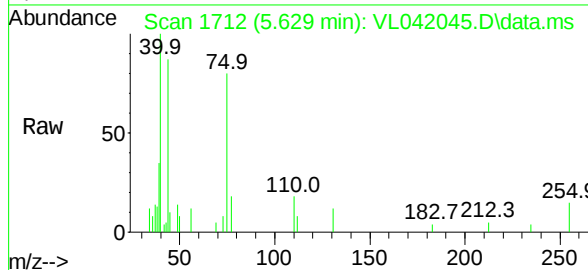
Abundance Scan 1712 (5.629 min): VL042041.D\data.ms (-1694)

cis-1,3-Dichloropropene  
Concen: 0.036 ppbv  
RT: 5.629 min Scan#  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1



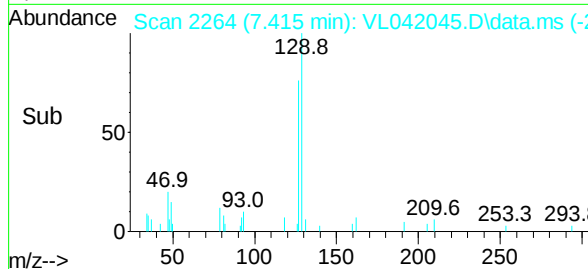
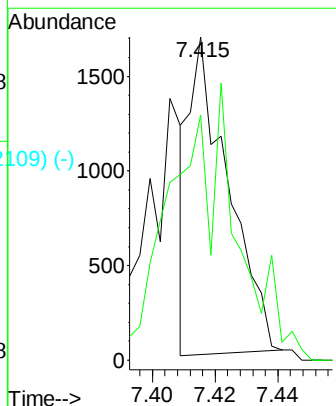
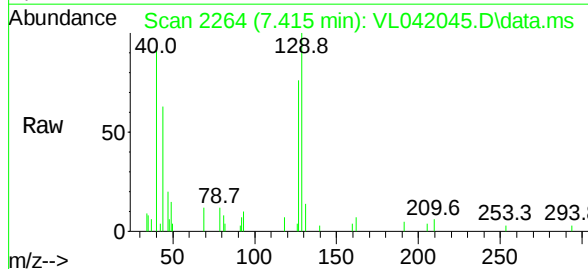
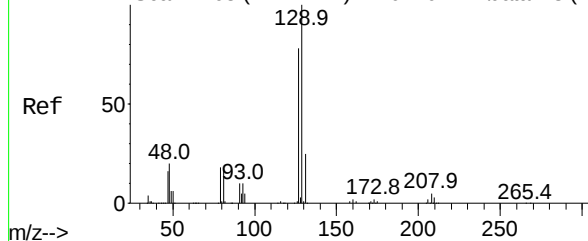
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 976   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 39       | 32.6  | 51.9  | 77.9# |
| 77       | 14.2  | 24.9  | 37.3# |



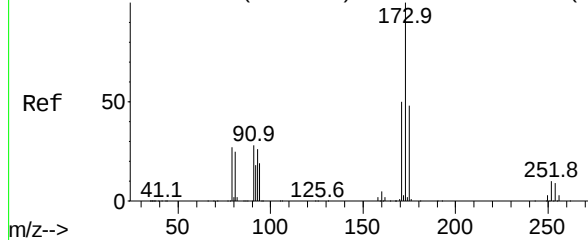
Abundance Scan 2263 (7.412 min): VL042041.D\data.ms (-2249)

Dibromochloromethane  
Concen: 0.044 ppbv  
RT: 7.415 min Scan# 2264  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 1445   |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 143.7 | 38.6  | 115.8# |



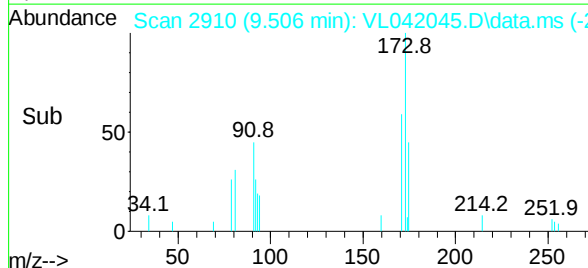
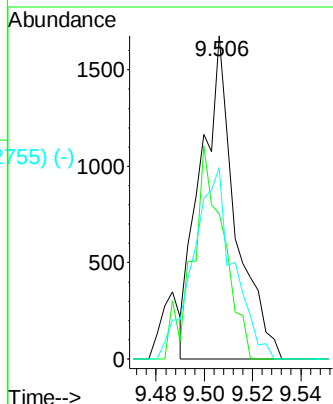
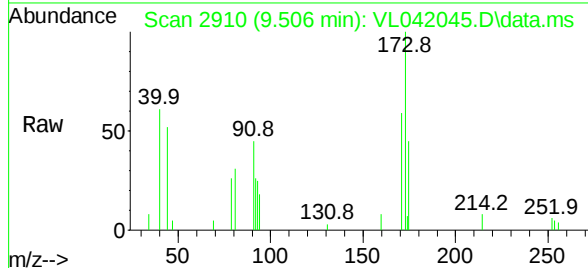
Abundance Scan 2909 (9.503 min): VL042041.D\data.ms (-28974)



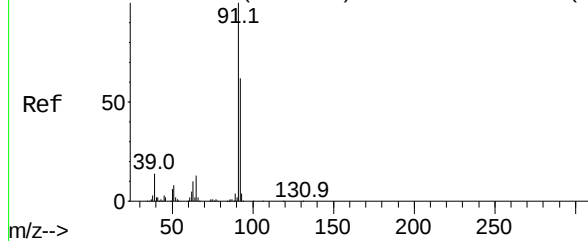
Bromoform  
Concen: 0.063 ppbv  
RT: 9.506 min Scan# 173  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 1684  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 59.0  | 38.3  | 57.5# |
| 171      | 68.1  | 40.2  | 60.2# |

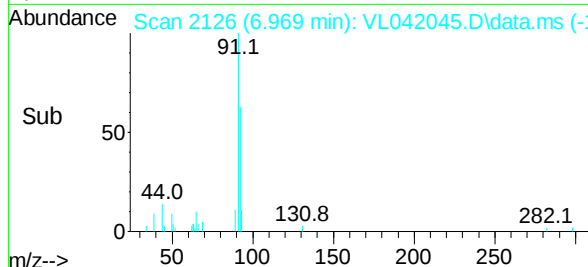
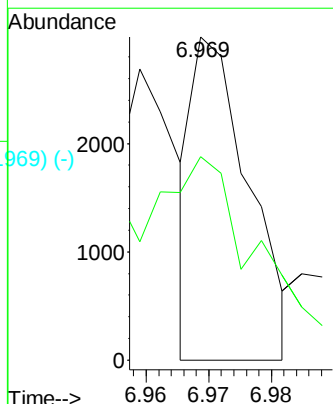
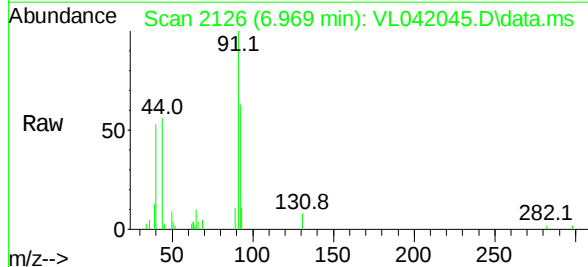


Abundance Scan 2123 (6.959 min): VL042041.D\data.ms (-21053)



Toluene  
Concen: 0.031 ppbv  
RT: 6.969 min Scan# 2126  
Delta R.T. 0.010 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

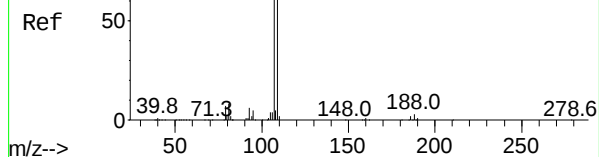
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 1861  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 180.2 | 49.0  | 73.6# |



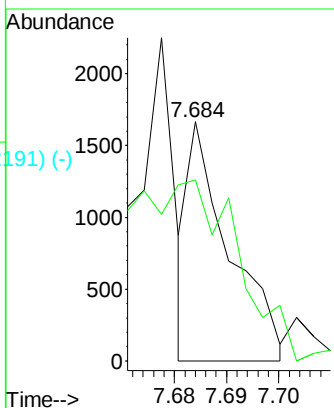
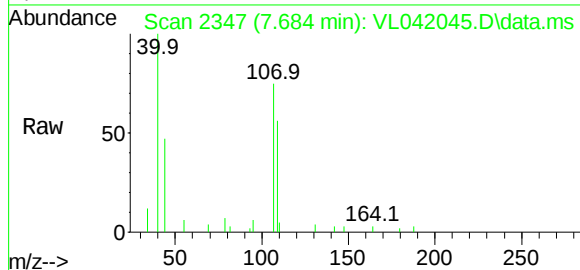
Abundance Scan 2345 (7.678 min): VL042041.D\data.ms (-23354)

1,2-Dibromoethane  
Concen: 0.034 ppbv  
RT: 7.684 min Scan#  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

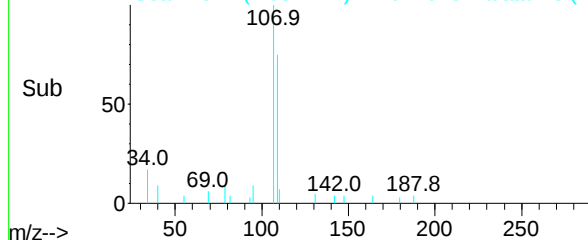
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1



Tgt Ion:107 Resp: 915  
Ion Ratio Lower Upper  
107 100  
109 56.2 70.2 105.4#



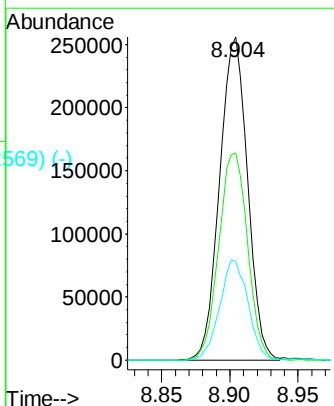
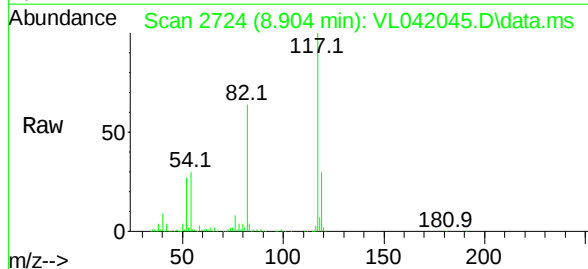
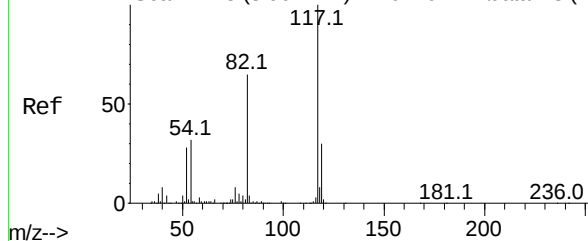
Abundance Scan 2347 (7.684 min): VL042045.D\data.ms (-2191) (-)



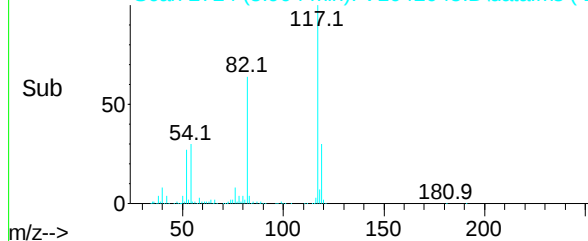
Abundance Scan 2723 (8.901 min): VL042041.D\data.ms (-27105)

Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.904 min Scan# 2724  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion:117 Resp: 363831  
Ion Ratio Lower Upper  
117 100  
82 66.3 55.0 82.6  
119 31.9 25.9 38.9



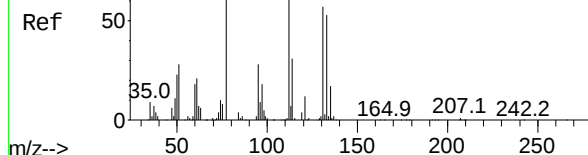
Abundance Scan 2724 (8.904 min): VL042045.D\data.ms (-2569) (-)



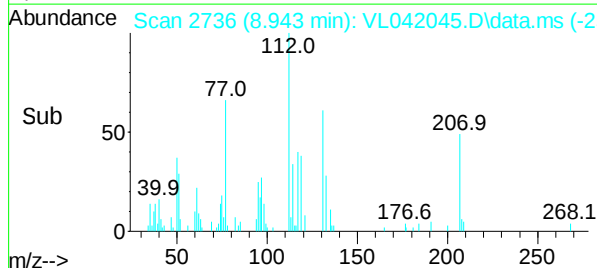
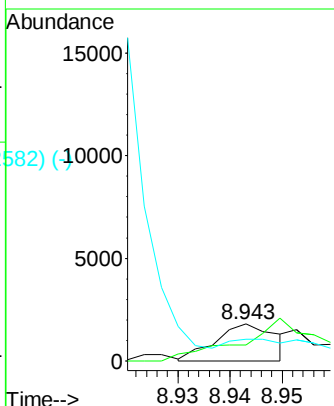
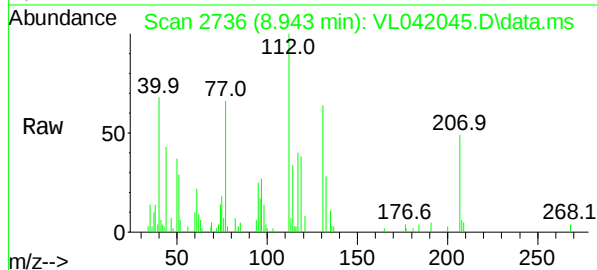
Abundance Scan 2736 (8.943 min): VL042041.D\data.ms (-27256)

1,1,1,2-Tetrachloroethane  
Concen: 0.055 ppbv  
RT: 8.943 min Scan# 2736  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1



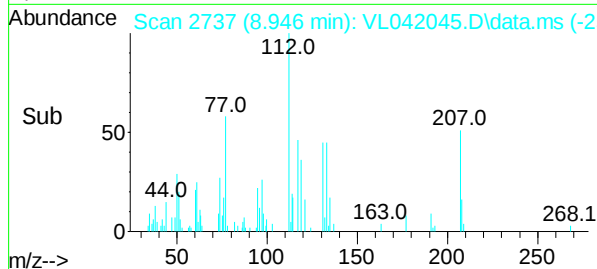
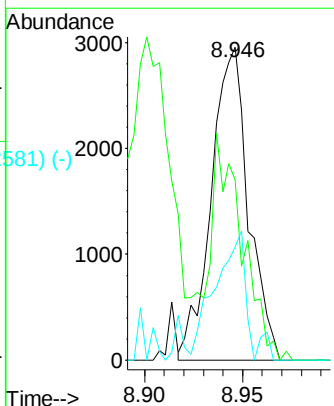
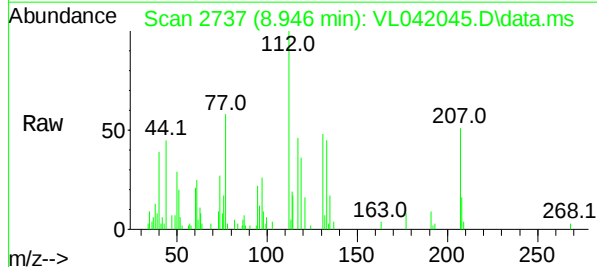
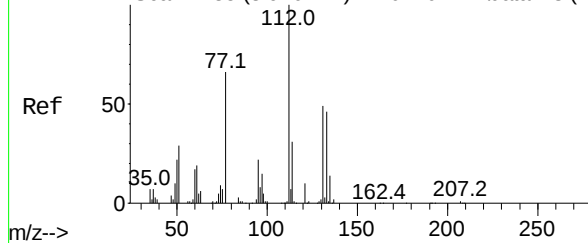
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 131   | Resp: | 1438   |
| Ion      | Ratio | Lower | Upper  |
| 131      | 100   |       |        |
| 133      | 0.0   | 75.8  | 113.8# |
| 119      | 0.0   | 52.1  | 78.1#  |

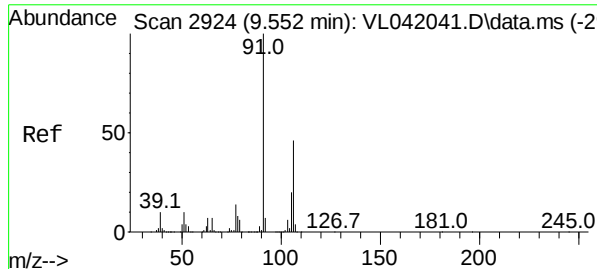


Abundance Scan 2735 (8.940 min): VL042041.D\data.ms (-27257)

Chlorobenzene  
Concen: 0.091 ppbv  
RT: 8.946 min Scan# 2737  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 3915  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 77       | 57.8  | 53.4  | 80.2  |
| 114      | 36.3  | 28.3  | 34.5# |

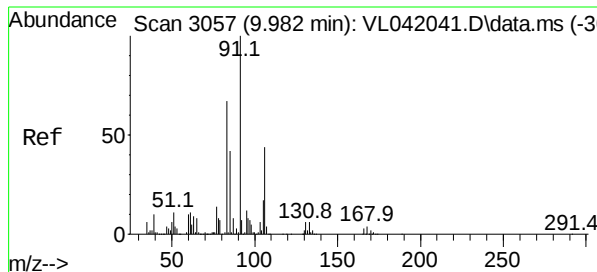
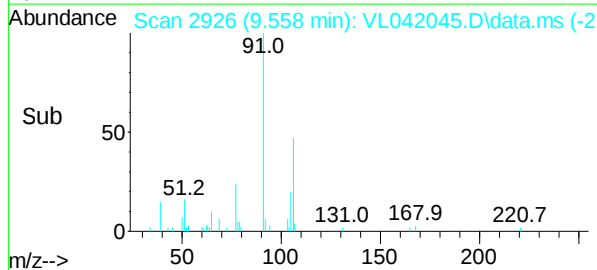
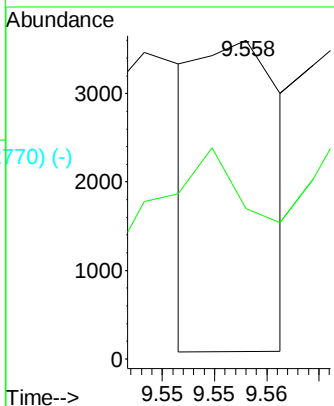
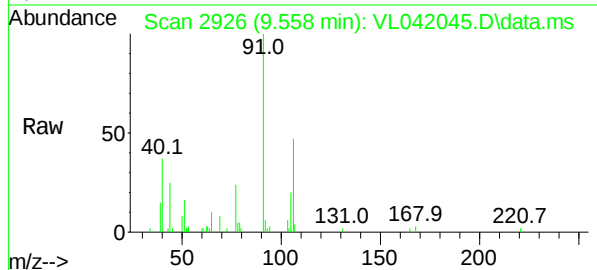




#59  
m/p-Xylene  
Concen: 0.030 ppbv  
RT: 9.558 min Scan# 2924  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

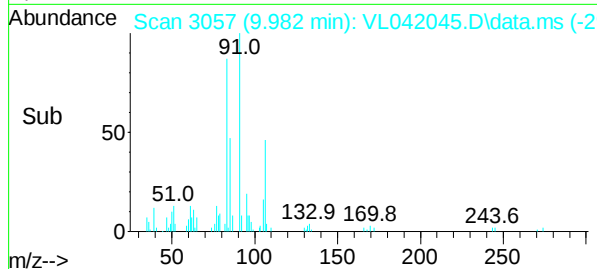
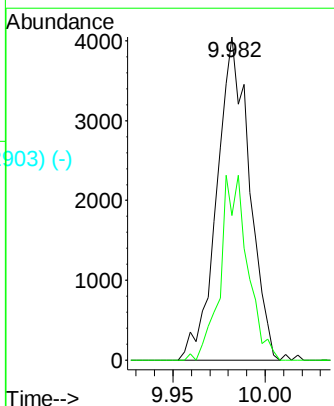
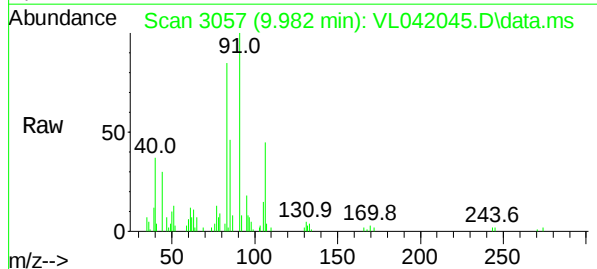
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

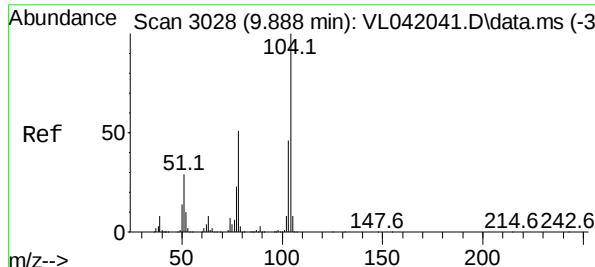
Tgt Ion: 91 Resp: 1903  
Ion Ratio Lower Upper  
91 100  
106 0.0 0.0 0.0



#60  
o-Xylene  
Concen: 0.079 ppbv  
RT: 9.982 min Scan# 3057  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion: 91 Resp: 4981  
Ion Ratio Lower Upper  
91 100  
106 47.8 22.3 66.8

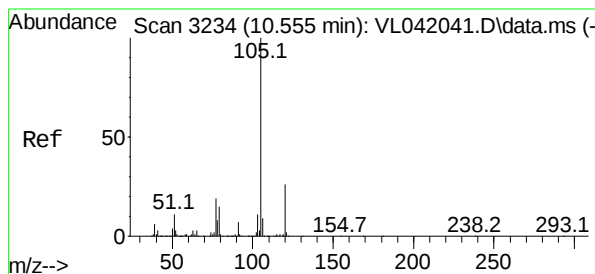
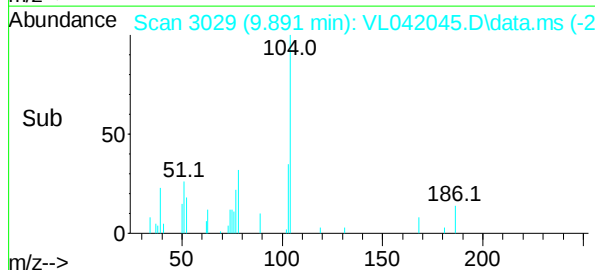
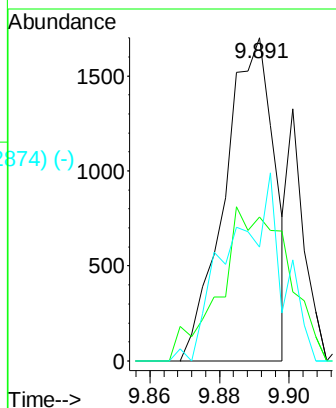
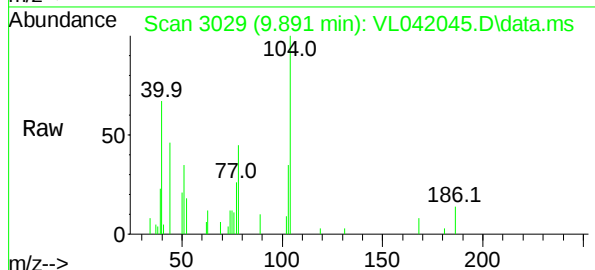




Styrene  
Concen: 0.056 ppbv  
RT: 9.891 min Scan#  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

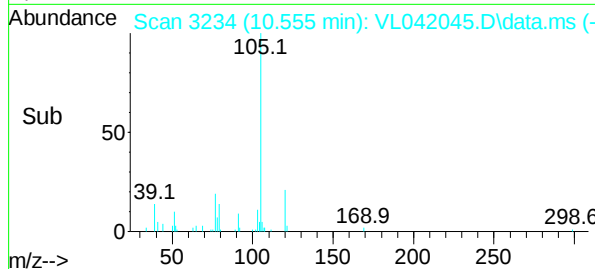
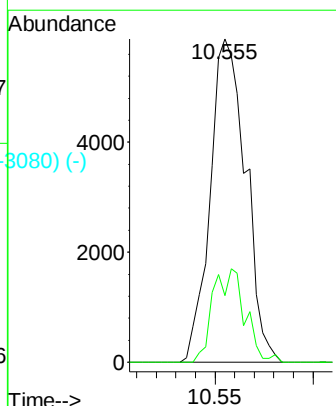
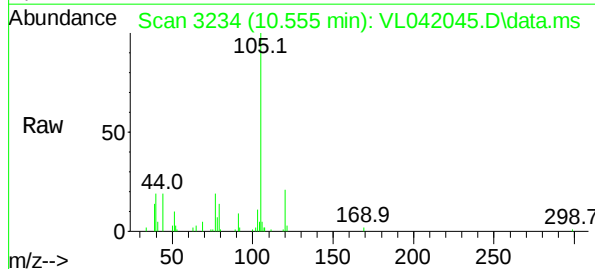
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

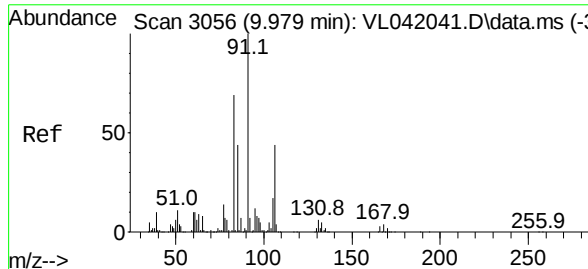
Tgt Ion:104 Resp: 1689  
Ion Ratio Lower Upper  
104 100  
78 69.2 41.0 61.4#  
103 61.5 37.0 55.6#



Isopropylbenzene  
Concen: 0.078 ppbv  
RT: 10.555 min Scan# 3234  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion:105 Resp: 7453  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.7 31.1

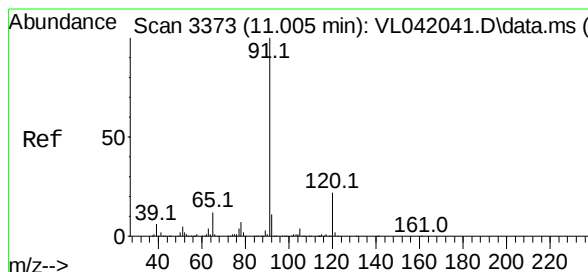
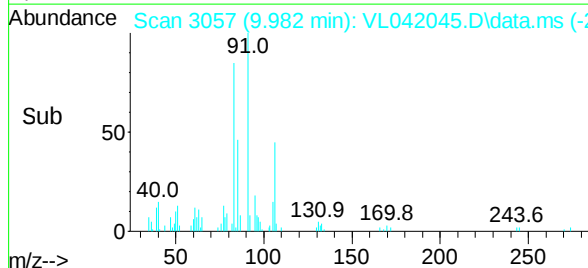
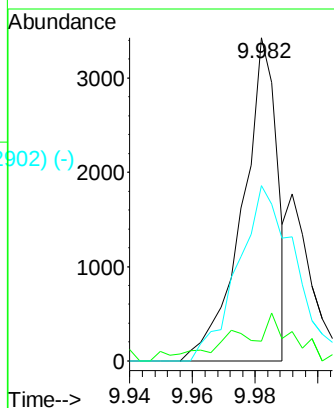
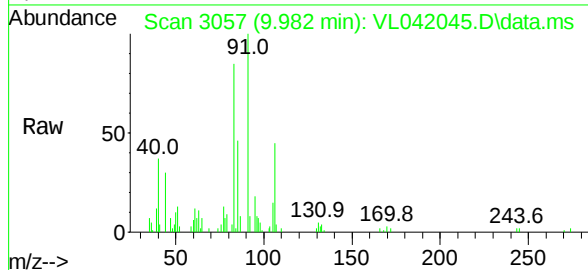




1,1,2,2-Tetrachloroethane  
 Concen: 0.065 ppbv  
 RT: 9.982 min Scan# 3057  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

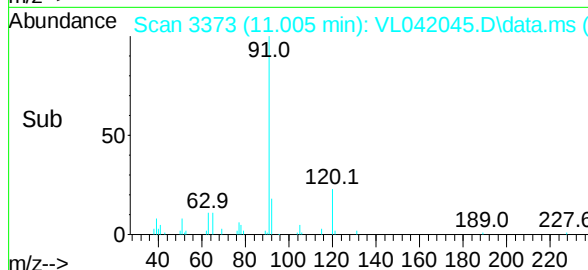
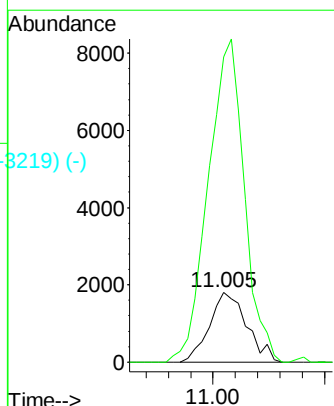
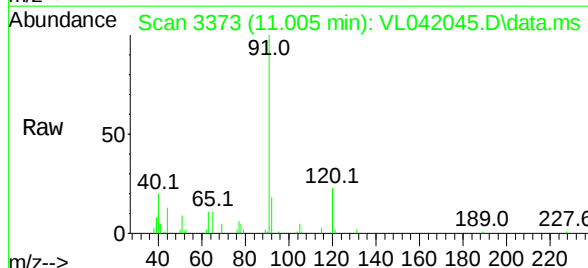
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

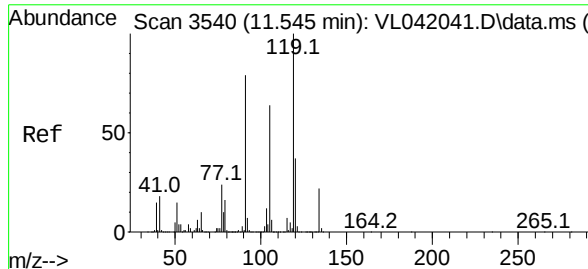
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 30.7  | 4.5   | 13.7# |
| 85      | 88.3  | 32.1  | 96.3  |



n-propylbenzene  
 Concen: 0.089 ppbv  
 RT: 11.005 min Scan# 3373  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 120     | 100   |       |       |
| 91      | 450.0 | 370.6 | 556.0 |

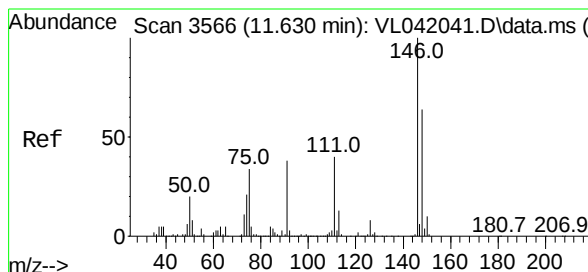
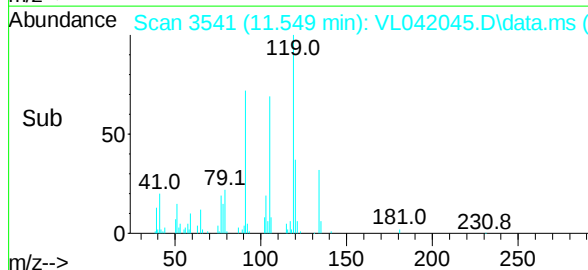
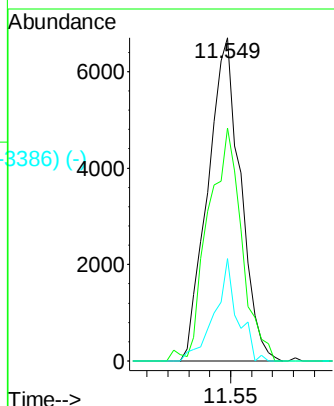
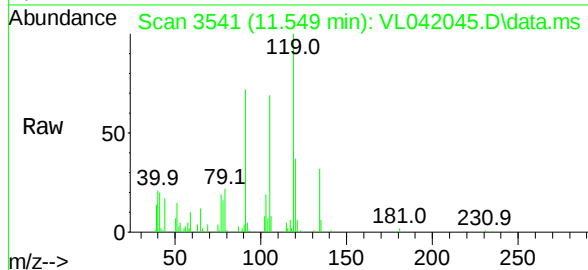




tert-Butylbenzene  
 Concen: 0.088 ppbv  
 RT: 11.549 min Scan#  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

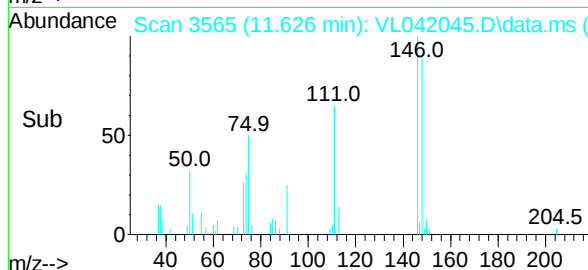
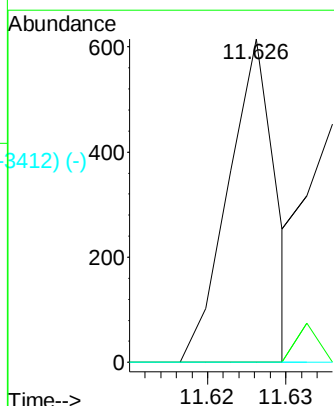
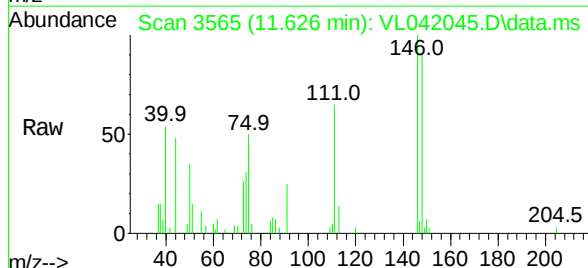
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

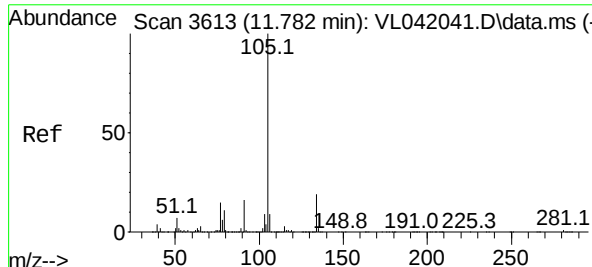
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 7279  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 74.4  | 64.2  | 96.2  |
| 134      | 22.0  | 17.4  | 26.2  |



Benzyl Chloride  
 Concen: 0.031 ppbv  
 RT: 11.626 min Scan# 3565  
 Delta R.T. -0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 260   |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 0.0   | 14.5  | 21.7# |
| 128      | 0.0   | 5.4   | 8.2#  |

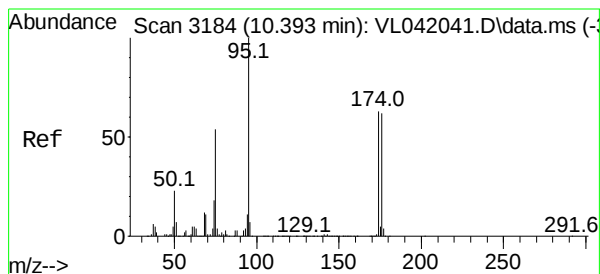
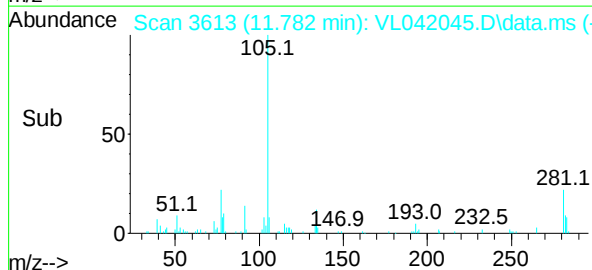
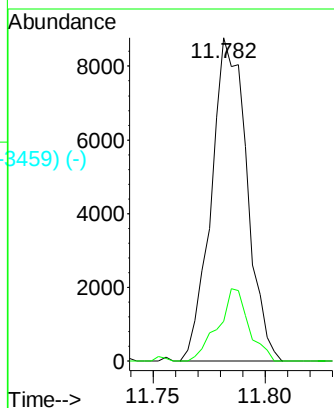
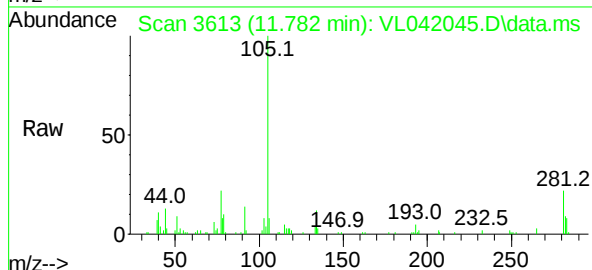




sec-Butylbenzene  
Concen: 0.083 ppbv  
RT: 11.782 min Scan#  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

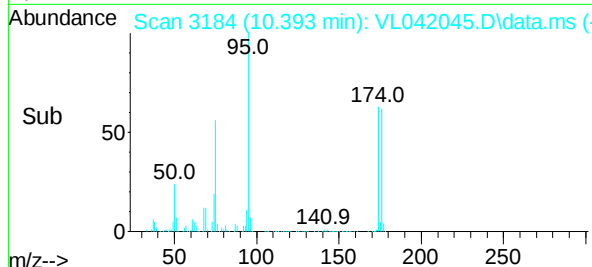
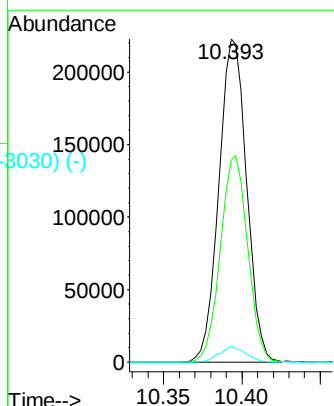
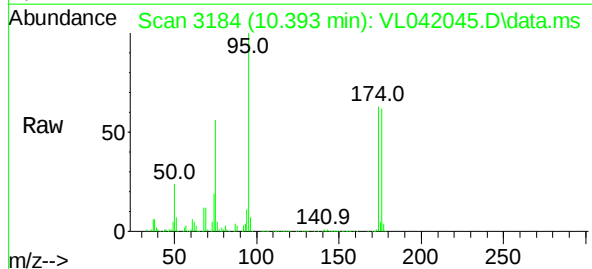
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

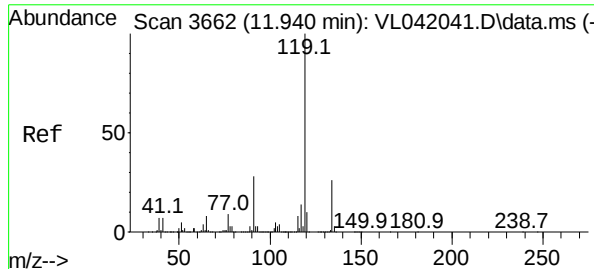
Tgt Ion:105 Resp: 9708  
Ion Ratio Lower Upper  
105 100  
134 19.5 14.9 22.3



1-Bromo-4-Fluorobenzene  
Concen: 9.213 ppbv  
RT: 10.393 min Scan# 3184  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion: 95 Resp: 276484  
Ion Ratio Lower Upper  
95 100  
174 63.2 51.8 77.6  
175 4.6 3.9 5.9

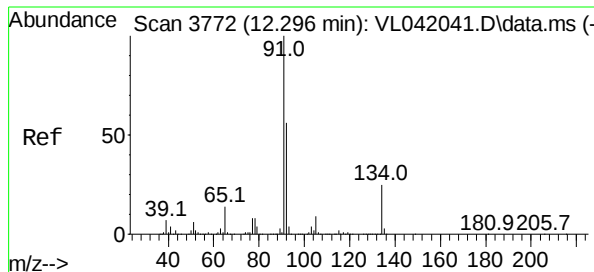
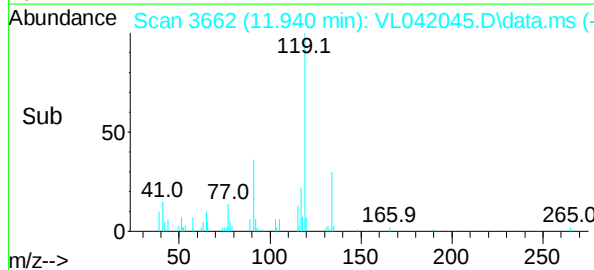
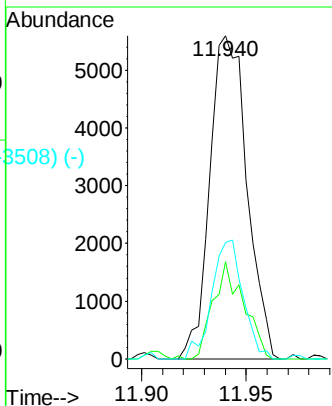
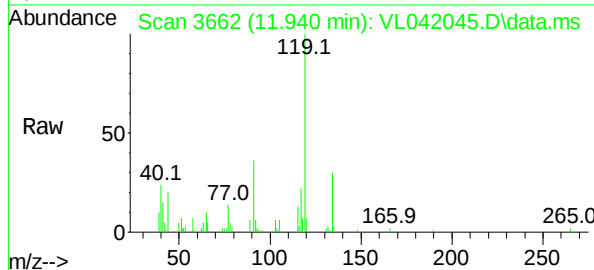




p-Isopropyltoluene  
Concen: 0.073 ppbv  
RT: 11.940 min Scan#  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

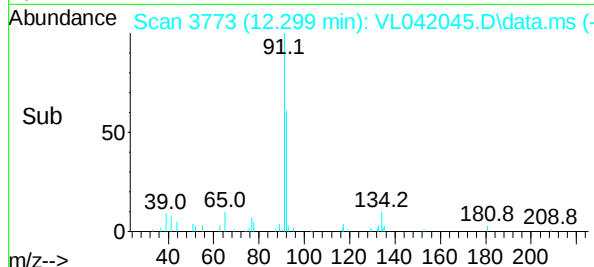
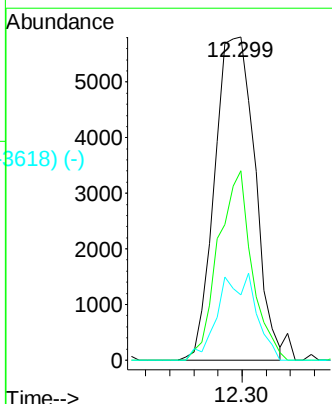
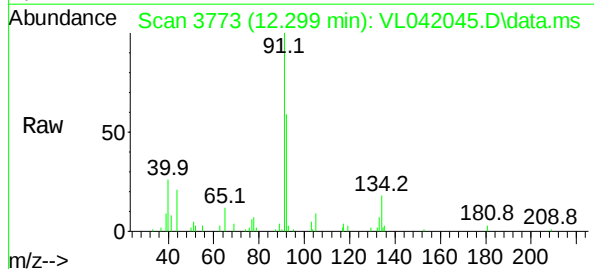
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

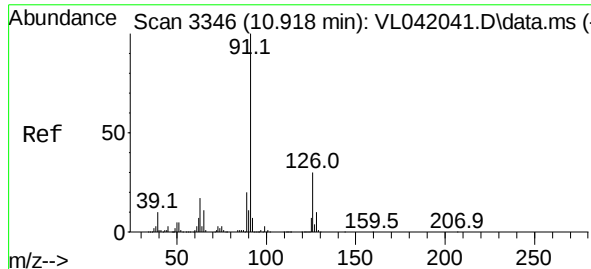
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 6937  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 26.0  | 20.9  | 31.3  |
| 91       | 31.7  | 23.1  | 34.7  |



n-Butylbenzene  
Concen: 0.071 ppbv  
RT: 12.299 min Scan# 3773  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 6704  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 49.3  | 44.7  | 67.1  |
| 134      | 25.2  | 18.9  | 28.3  |

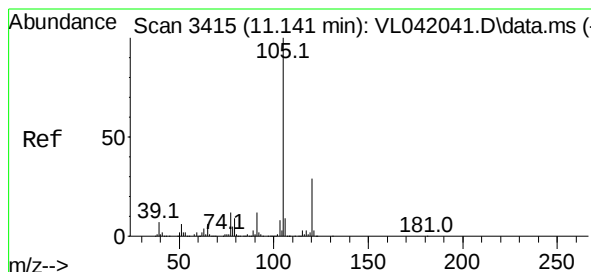
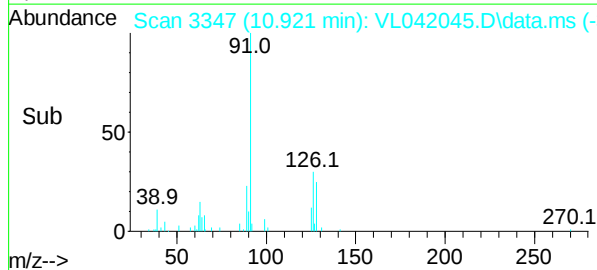
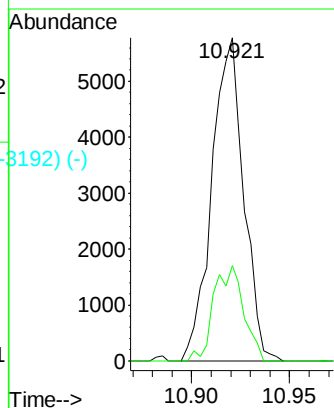
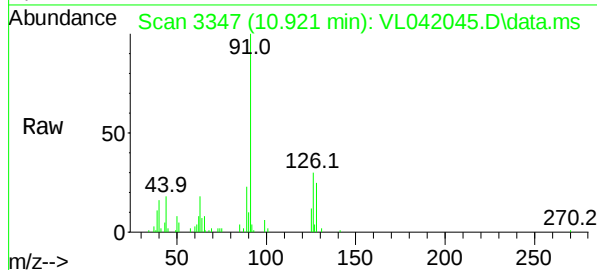




2-Chlorotoluene  
 Concen: 0.091 ppbv  
 RT: 10.921 min Scan#  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

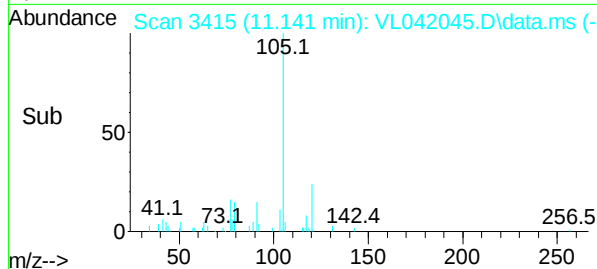
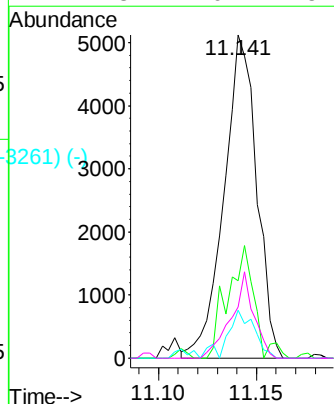
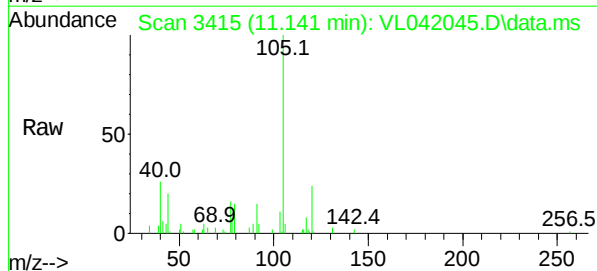
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

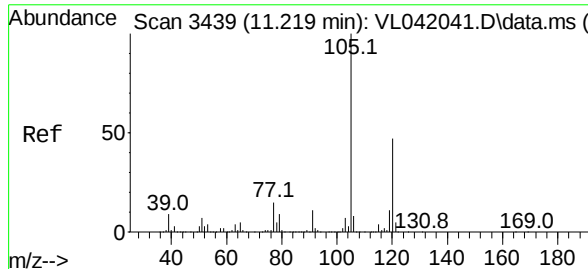
Tgt Ion: 91 Resp: 6558  
 Ion Ratio Lower Upper  
 91 100  
 126 27.7 11.9 47.5



4-Ethyltoluene  
 Concen: 0.080 ppbv  
 RT: 11.141 min Scan# 3415  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

Tgt Ion: 105 Resp: 5948  
 Ion Ratio Lower Upper  
 105 100  
 120 30.1 24.1 36.1  
 91 13.5 10.2 15.4  
 77 18.4 10.4 15.6#

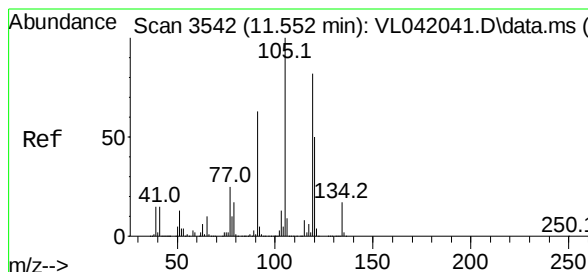
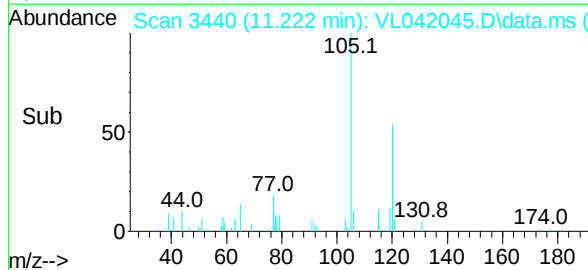
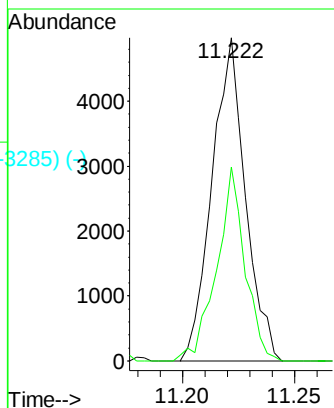
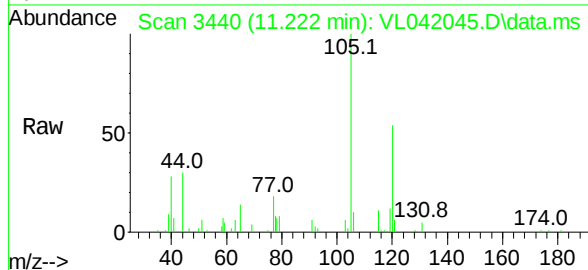




1,3,5-Trimethylbenzene  
Concen: 0.081 ppbv  
RT: 11.222 min Scan#  
Delta R.T. 0.003 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

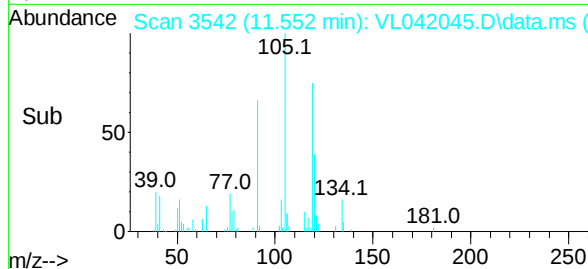
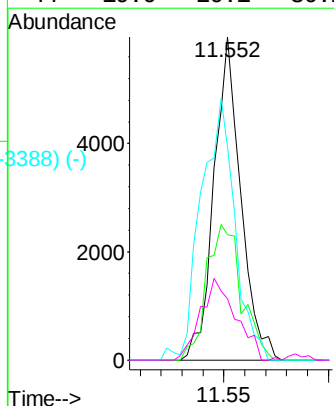
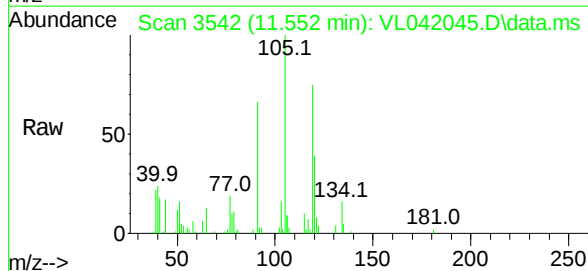
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

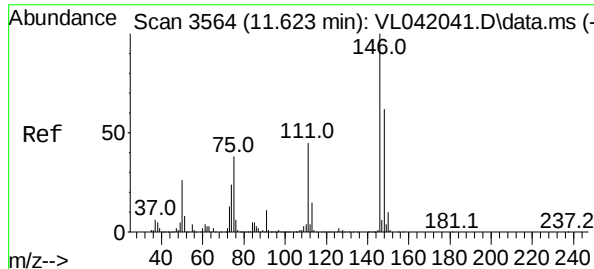
Tgt Ion:105 Resp: 5175  
Ion Ratio Lower Upper  
105 100  
120 60.0 37.4 56.0#



1,2,4-Trimethylbenzene  
Concen: 0.077 ppbv  
RT: 11.552 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

Tgt Ion:105 Resp: 5323  
Ion Ratio Lower Upper  
105 100  
120 38.8 40.2 60.2#  
91 66.0 51.4 77.2  
77 19.0 20.1 30.1#

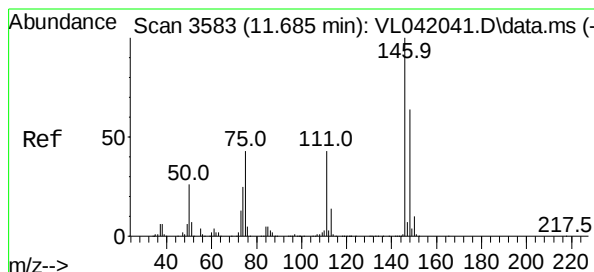
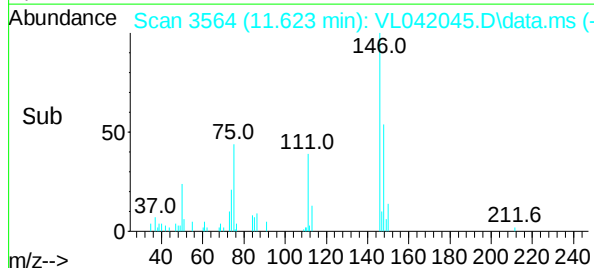
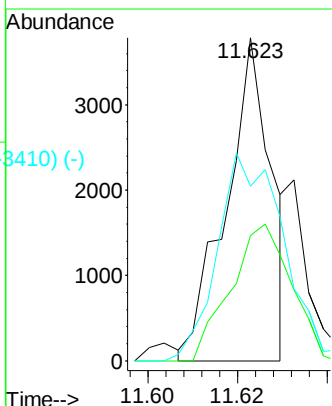
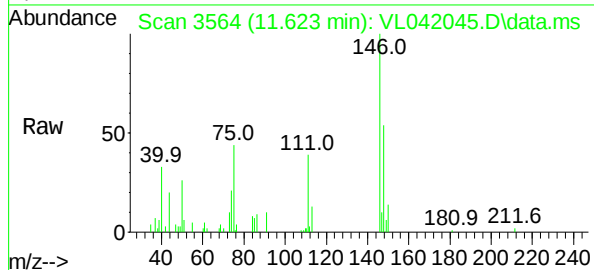




1,3-Dichlorobenzene  
Concen: 0.072 ppbv  
RT: 11.623 min Scan#  
Delta R.T. -0.000 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

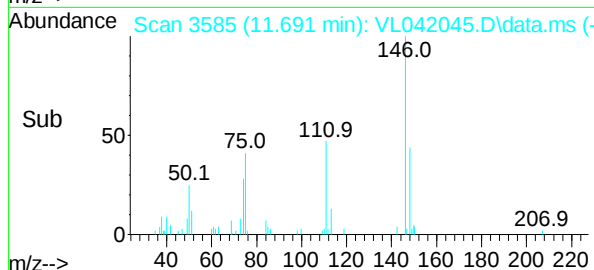
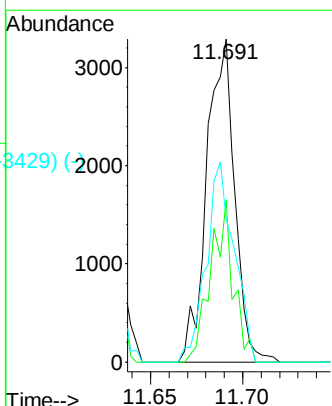
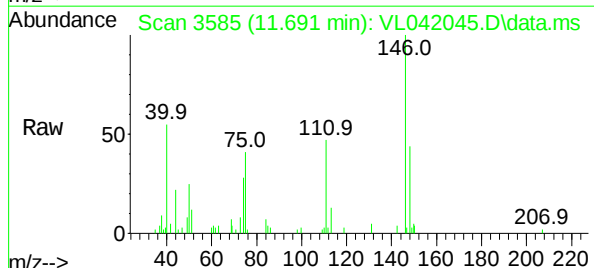
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 2662  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 56.5  | 22.4  | 67.2  |
| 148      | 93.2  | 32.3  | 96.8  |



1,4-Dichlorobenzene  
Concen: 0.096 ppbv  
RT: 11.691 min Scan# 3585  
Delta R.T. 0.006 min  
Lab File: VL042045.D  
Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 3477  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 40.9  | 21.5  | 64.5  |
| 148      | 61.8  | 31.6  | 95.0  |



Abundance Scan 3669 (11.963 min): VL042041.D\data.ms (-3658) (-)

1,2-Dichlorobenzene

Concen: 0.094 ppbv

RT: 11.969 min Scan#

Delta R.T. 0.006 min

Lab File: VL042045.D

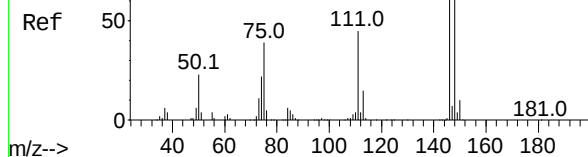
Acq: 25 Feb 2025 11:03

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1



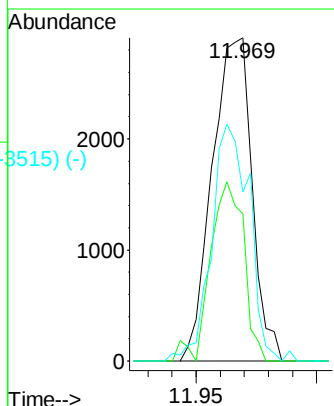
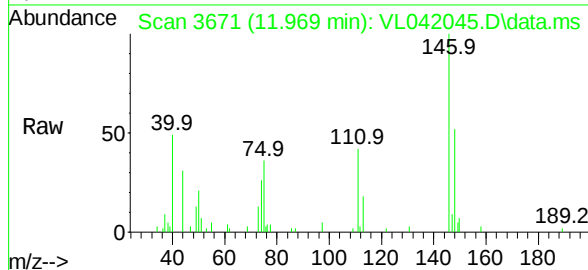
Tgt Ion:146 Resp: 3344

Ion Ratio Lower Upper

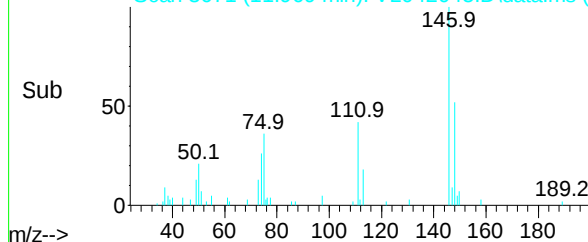
146 100

111 46.9 23.2 69.6

148 69.8 31.4 94.2



Abundance Scan 3671 (11.969 min): VL042045.D\data.ms (-3515) (-)



Abundance Scan 4266 (13.895 min): VL042041.D\data.ms (-4278) (-)

Hexachloro-1,3-Butadiene

Concen: 0.085 ppbv

RT: 13.895 min Scan# 4266

Delta R.T. -0.000 min

Lab File: VL042045.D

Acq: 25 Feb 2025 11:03

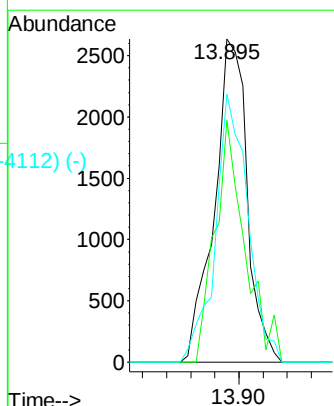
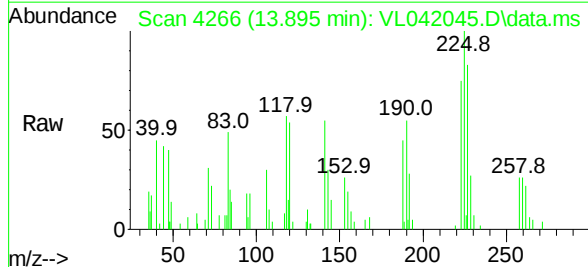
Tgt Ion:225 Resp: 2487

Ion Ratio Lower Upper

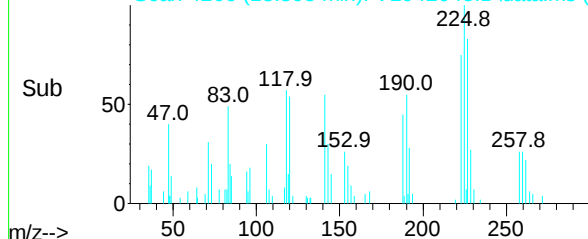
225 100

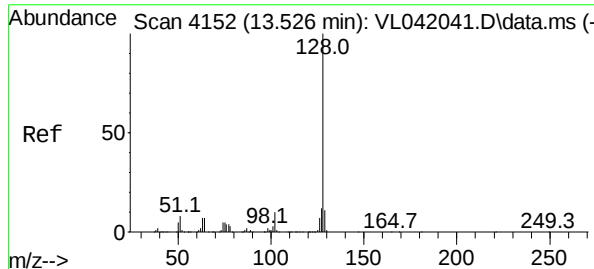
223 68.4 50.2 75.2

227 81.9 50.8 76.2#



Abundance Scan 4266 (13.895 min): VL042045.D\data.ms (-4112) (-)

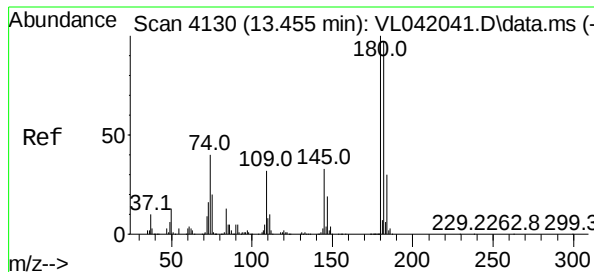
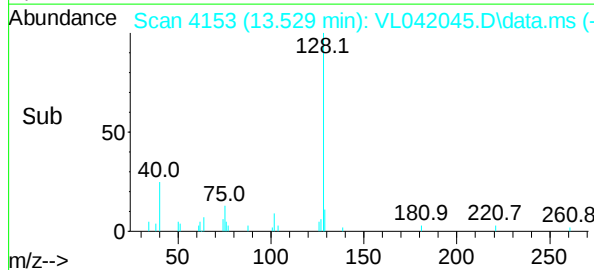
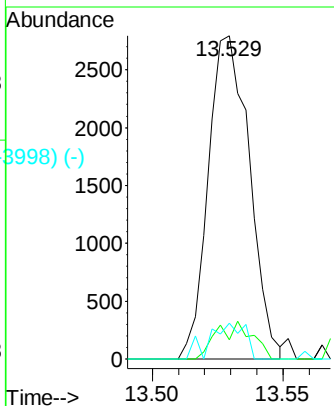
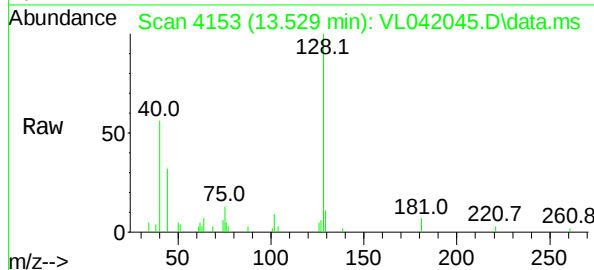




Naphthalene  
 Concen: 0.045 ppbv  
 RT: 13.529 min Scan#  
 Delta R.T. 0.003 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3058  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 5.9   | 9.8   | 14.6# |
| 129      | 11.1  | 8.6   | 12.8  |



1,2,4-Trichlorobenzene  
 Concen: 0.046 ppbv  
 RT: 13.455 min Scan# 4130  
 Delta R.T. -0.000 min  
 Lab File: VL042045.D  
 Acq: 25 Feb 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1262  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 104.4 | 75.1  | 112.7 |
| 184      | 42.4  | 23.8  | 35.6# |

